

Laboratory **Delhi Analytical Research Laboratory, Plot No. 2, Timber Block, Jhilmil Industrial Area, Delhi**

Accreditation Standard **ISO/IEC 17025: 2005**

Certificate Number **TC-5163**

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Validity **25.07.2018 to 24.07.2020**

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| Sl. | Product / Material of Test | Specific Test Performed | Test Method Specification against which tests are performed | Range of Testing / Limits of Detection |
|-----|----------------------------|-------------------------|---|--|
|-----|----------------------------|-------------------------|---|--|

BIOLOGICAL TESTING

| I. DRUGS AND PHARMACEUTICALS | | | | |
|-------------------------------------|--|--|--------------------------------------|---|
| 1. | <u>Microbial Limit Test</u> Finished pharmaceutical preparation: Tablet, Capsule, Dry syrup (Powder), Liquid syrup, Sachet, Cream & Ointment. | Total Viable Aerobic count (T.V.A.C.) | I.P. – 2018(Vol.- I), 2.2.9, PP-40 | ≤10 cfu/g or ml |
| | | Total Yeast and mould count (T.Y.M.C) | I.P. – 2018 (Vol. - I), 2.2.9, PP-40 | ≤ 10 cfu/g or ml |
| | | Staphylococcus aureus | I.P. – 2018(Vol. - I), 2.2.9, PP-46 | Qualitative(Present or Absent per ml or g) |
| | | E. coli | I.P. – 2018 (Vol. - I), 2.2.9, PP-45 | Qualitative (Present or Absent per ml or g) |
| | | Pseudomonas aeruginosa | I.P. – 2018 (Vol. - I), 2.2.9, PP-46 | Qualitative (Present or Absent per ml or g) |
| | | Salmonella Spp. | I.P. – 2018 (Vol. - I), 2.2.9, PP-45 | Qualitative (Present or Absent per ml or g) |
| | | Shigella Spp. | I.P. – 2018 (Vol. - I), 2.2.9, PP-45 | Qualitative (Present or Absent per ml or g) |
| 2. | Raw Material for pharmaceutical preparations | Total viable aerobic count (T.V.A.C.) | I.P. – 2018(Vol. - I), 2.2.9, PP-40 | ≤ 10 cfu/g or ml |
| | | Total Yeast and mould count (T.Y.M.C.) | I.P. – 2018(Vol. - I), 2.2.9, PP-40 | ≤ 10 cfu/g or ml |
| | | Staphylococcus aureus | I.P. – 2018(Vol. - I), 2.2.9, PP-46 | Qualitative (Present or Absent per ml or g) |
| | | E. coli | I.P. – 2018(Vol. - I), 2.2.9, PP-45 | Qualitative (Present or Absent per ml or g) |

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| | | Pseudomonas aeruginosa | I.P. – 2018(Vol. - I), 2.2.9, PP-46 | Qualitative (Present or Absent per ml or g) |
| | | Salmonella Spp. | I.P. – 2018(Vol. - I), 2.2.9, PP-45 | Qualitative (Present or Absent per ml or g) |
| | | Shigella Spp. | I.P. – 2018 (Vol. - I), 2.2.9, PP-45 | Qualitative (Present or Absent per ml or g) |
| 3. | Pharmaceutical sterile preparation: Liquid injection, Sterile Powder, Ophthalmic, Water for injection | Bacterial Endotoxin Test(B.E.T.) (Gel Clot Method) | I.P. – 2018, 2.2.2, PP-28, (Vol,-I) | Qualitative |
| 4. | Antibiotics (Finished Product) | | | |
| | Amikacin Sulphate injection | Assay | I.P. – 2018, PP-50, (Vol-I), 2.2.9 | 90 to 120% |
| | Erythromycin stearate Tablet IP | Assay | I.P. – 2018, PP-50, (Vol-I), 2.2.9 | 70 to 100% |
| | Gentamycin sulphate injection IP | Assay | I.P. – 2018, PP-50, (Vol-I), 2.2.9 | 95 to 110% |
| | Gentamycin Sulphate Eye Drop | Assay | I.P. – 2018, PP-50, (Vol-I), 2.2.9 | 90 to 120% |
| II. | AYUSH PRODUCTS | | | |
| 1. | Herbal Products, (Tablet, Capsule, Dry Powder, Syrup, Suspension) | Total Viable Aerobic Count (T.V.A.C.) | A.P.I. – 2007, part – 2 nd (vol, - I) | ≤ 10 cfu/g or ml |
| Total Yeast and mould count (T.Y.M.C.) | | A.P.I. – 2007, part – 2 nd (vol, - I) | ≤ 10 cfu/g or ml | |
| Staphylococcus aureus | | A.P.I. – 2007, part – 2 nd (vol, - I) | Qualitative (Present or absent per ml or g) | |

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|-------------|---|-------------------------|---|---|
| | | Salmonella spp. | A.P.I. – 2007, part – 2 nd (vol, - I) | Qualitative(Present or absent per ml or g) |
| | | Pseudomonas aeruginosa | A.P.I. – 2007, part – 2 nd (vol, - I) | Qualitative (Present or absent per ml or g) |
| | | Escherichia Coli | A.P.I. – 2007, part – 2 nd (vol, - I) | (Qualitative) Present or absent per ml or g |
| III. | FOOD & AGRICULTURAL PRODUCTS | | | |
| 1. | Tea/ Green Tea and Tea Product | Escherichia coli | IS:5887(P-1) | Qualitative (Present/Absent per 25 g) |
| | | Total Plate Count | IS: 5402 | ≥ 10 cfu/gm |
| | | Coliform | IS: 5401(Part 1) | ≥ 10 cfu/g |
| | | Yeast & Mould count | IS:5403: | ≥ 10 cfu/g |
| | | Staphylococcus aureus | IS:5887(Part -2) | Qualitative (Present/Absent per g) |
| | | Salmonella Spp. | IS 5887(Part 3) | Qualitative (Present/Absent per 25 g) |
| | | Shigella Spp. | IS 5887(Part 7) | Qualitative (Present/Absent per 25 g) |
| 2. | Coffee & Cocoa Product | Escherichia coli | IS:5887(P-1) | Qualitative (Present/Absent 25 g) |
| | | Total Plate Count | IS: 5402 | ≥ 10 cfu/g |
| | | Yeast & Mould count | IS:5403 | ≥ 10 cfu/g |
| | | Staphylococcus aureus | IS:5887(Part -2) | Qualitative (Present/Absent per g) |
| | | Salmonella Spp. | IS:5887 (Part 3) | Qualitative (Present/Absent 25 g) |
| 3. | Sugar and Sugar Product | Escherichia coli | IS:5887(P-1) | Qualitative (Present/Absent 25 g) |
| | | Total Plate Count | IS: 5402 | ≥ 10 cfu/g |
| | | Coliform | IS: 5401(Part 1) | ≥ 10 cfu/g |

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|-----|---|-------------------------|---|--|
| | | Yeast & Mould count | IS:5403 | ≥ 10 cfu/g |
| | | Staphylococcus aureus | IS:5887(Part -2) | Qualitative (Present/Absent per g) |
| | | Salmonella Spp. | IS:5887(Part-3) | Qualitative (Present/Absent per 25 g) |
| | | Shigella Spp. | IS:5887(Part-7) | Qualitative (Present/Absent per 25 g) |
| 4. | Meat & Meat Products | Escherichia coli | IS:5887(Part-1) | Qualitative (Present/Absent per 25 g) |
| | | Total Plate Count | IS: 5402 | ≥ 10 cfu/g |
| | | Coliform | IS: 5401(Part 1) | ≥ 10 cfu/g |
| | | Yeast & Mould count | IS:5403 | ≥ 10 cfu/g |
| | | Staphylococcus aureus | IS:5887(Part -2) | Qualitative (Present/Absent per g) |
| | | Salmonella Spp. | IS:5887(Part -3) | Qualitative (Present/Absent per 25 g) |
| | | Shigella Spp. | IS:5887(Part -7) | Qualitative (Present/Absent per 25 g) |
| 5. | Vegetable and Vegetable Products | Escherichia coli | IS:5887(Part-1) | Qualitative (Present/Absent per 25 g) |
| | | Total Plate Count | IS: 5402 | ≥ 10 cfu/g |
| | | Coliform | IS: 5401(Part 1) | ≥ 10 cfu/g |
| | | Yeast & Mould count | IS:5403 | ≥ 10 cfu/g |
| | | Staphylococcus aureus | IS:5887(Part -2) | Qualitative (Present/Absent per g) |
| | | Salmonella Spp. | IS:5887(Part -3) | Qualitative (Present/Absent per 25 g) |
| | | Shigella Spp. | IS:5887(Part -7) | Qualitative (Present/Absent per 25 g) |
| 6. | Milk and Dairy Products | Escherichia coli | IS:5887(P-1) | Qualitative (Present/Absent per g or ml) |

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|-----------|---|-------------------------|---|---|
| | | Total Plate Count | IS: 5402 | ≥ 10 cfu/g ≥ 1 cfu/ml |
| | | Coliform | IS: 5401(Part 1) | ≥ 10 cfu/g ≥ 1 cfu/ml |
| | | Yeast & Mould count | IS:5403: | ≥ 10 cfu/g ≥ 1 cfu/ml |
| | | Staphylococcus aureus | IS:5887(Part -2) | Qualitative (Present/Absent per g or ml) |
| | | Salmonella Spp. | IS:5887(Part - 3) | Qualitative (Present/Absent per 25 g) |
| | | Shigella Spp. | IS:5887(Part -7) | Qualitative (Present/Absent per 25 g) |
| 7. | Honey & Honey Products | Escherichia coli | IS:5887(P-1) | Qualitative (Present/Absent per 25 g) |
| | | Total Plate Count | IS: 5402 | ≥ 10 cfu/g |
| | | Yeast & Mould count | IS:5403 | ≥ 10 cfu/g |
| | | Staphylococcus aureus | IS:5887(Part -2) | Qualitative (Present/Absent per g) |
| | | Salmonella Spp. | IS:5887(Part -3) | Qualitative (Present/Absent per 25 g) |
| | | Shigella Spp. | IS:5887(Part -7) | Qualitative (Present/Absent per 25 g) |
| 8. | Beverages (Non-Alcoholic/ Alcoholic) | Escherichia coli | IS:5887(P-1) | Qualitative (Present/Absent per 25 ml) |
| | | Total Plate Count | IS: 5402 | ≥ 1 cfu/ml |
| | | Coliform | IS: 5401(Part 1) | ≥ 1 cfu/ml |
| | | Yeast & Mould count | IS:5403: | ≥ 1 cfu/ml |
| | | Staphylococcus aureus | IS:5887(Part -8) | Qualitative (Present/Absent per ml) |
| | | Salmonella Spp. | IS:5887(Part -3) | Qualitative (Present/Absent per 25 ml) |

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|-----|--|-------------------------|---|--|
| | | Shigella Spp. | IS:5887(Part -7) | Qualitative (Present/Absent per 25 ml) |
| 9. | Bakery and Confectionery Products | Escherichia coli | IS:5887(P-1) | Qualitative (Present/Absent per g) |
| | | Total Plate Count | IS: 5402 | ≥ 10 cfu/g |
| | | Coliform | IS: 5401(Part 1) | ≥ 10 cfu/g |
| | | Yeast & Mould count | IS:5403 | ≥ 10 cfu/g |
| | | Staphylococcus aureus | IS:5887(Part -2) | Qualitative (Present/Absent per g) |
| | | Salmonella Spp. | IS:5887(Part -3) | Qualitative (Present/Absent per 25 g) |
| | | Shigella Spp. | IS:5887(Part -7) | Qualitative (Present/Absent per 25 g) |
| 10. | Fruit and Fruit Products | Escherichia coli | IS:5887(P-1) | Qualitative (Present/Absent per 25 g) |
| | | Total Plate Count | IS: 5402:2012 | ≥ 10 cfu/g |
| | | Coliform | IS: 5401(Part 1) | ≥ 10 cfu/g |
| | | Yeast & Mould count | IS:5403 | ≥ 10 cfu/g |
| | | Staphylococcus aureus | IS:5887(Part -2) | Qualitative (Present/Absent per g) |
| | | Salmonella Spp. | IS:5887(Part -3) | Qualitative (Present/Absent per 25 g) |
| | | Shigella Spp. | IS:5887(Part -7) | Qualitative (Present/Absent per 25 g) |
| 11. | Spices and Condiments | Escherichia coli | IS:5887(P-1) | Qualitative (Present/Absent per g) |
| | | Yeast and Mould Count | IS:5403 | ≥ 10 cfu/g |
| | | Coliform | IS: 5401(Part 1) | ≥ 10 cfu/g |
| | | Salmonella Spp. | IS:5887(Part -3) | Qualitative (Present/Absent per 25 g) |
| | | Shigella Spp. | IS:5887(Part -7) | Qualitative (Present/Absent per 25 g) |

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|------------|--|-------------------------|---|--|
| 12. | Cereals, Pulses & Cereal Products | Escherichia coli | IS:5887(P-1) | Qualitative (Present/Absent per 25 g) |
| | | Yeast & Mould count | IS:5403 | ≥ 10 cfu/g |
| | | Coliform | IS: 5401(Part 1) | ≥ 10 cfu/g |
| | | Salmonella Spp. | IS:5887(Part -3) | Qualitative (Present/Absent per 25 g) |
| | | Shigella Spp. | IS:5887(Part -7) | Qualitative (Present/Absent per 25 g) |
| 13. | Snacks and Instant Mixes/Ready to Eat | Escherichia coli | IS:5887(P-1) | Qualitative (Present/Absent per 25 g) |
| | | Total Plate Count | IS: 5402 | ≥ 10 cfu/g |
| | | Coliform | IS: 5401(Part 1) | ≥ 10 cfu/g |
| | | Yeast & Mould count | IS:5403 | ≥ 10 cfu/g |
| | | Staphylococcus aureus | IS:5887(Part -2) | Qualitative (Present/Absent per g) |
| | | Salmonella Spp. | IS:5887(Part -3) | Qualitative (Present/Absent per 25 g) |
| | | Shigella Spp. | IS:5887(Part -7) | Qualitative (Present/Absent per 25 g) |
| IV. | ANIMAL FOOD & FEEDS | | | |
| 1. | Poultry & Poultry Products | Escherichia coli | IS:5887(Part-1) | Qualitative (Present/Absent per 25 g) |
| | | Total Plate Count | IS: 5402 | ≥ 10 cfu/g |
| | | Coliform | IS: 5401(Part 1) | ≥ 10 cfu/gm |
| | | Yeast & Mould count | IS:5403 | ≥ 10 cfu/gm |
| | | Staphylococcus aureus | IS:5887(Part -2) | Qualitative (Present/Absent per g) |
| | | Salmonella Spp. | IS:5887(Part -3) | Qualitative (Present/Absent per 25 g) |
| | | Shigella Spp. | IS:5887(Part -7) | Qualitative (Present/Absent per 25 g) |

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| V. | ENVIRONMENT & POLLUTION | | | |
| 1. | Effluent and Waste Water | Aerobic microbial count/ Standard Plate count/ Total Plate count/ Heterotrophic plate count | APHA (23 rd Edition) 9215 IS 4833 | ≥ 1 to 10 ⁷ cfu/ml |
| | | Coli form/ Total Coliform | APHA (23 rd Edition) 9221 B | ≥ 2 MPN per 100 ml to ≤1600 MPN per 100 ml |
| VI. | WATER | | | |
| 1. | Farm Water (Irrigation Water)/Pond Water/River Water | Aerobic microbial count/ Standard Plate count/ Total Plate count/ Heterotrophic plate count | APHA (23 rd Edition) 9215 IS 4833 | ≥ 1 cfu/ml |
| | | Coli form /Total Coliform | APHA (23 rd Edition) 9221 B | ≥2 MPN per 100 ml to ≤1600 MPN per 100 ml |
| 2. | Water for Processed food industry | Standard Plate Count | IS:1622 | ≥ 1 cfu/ml |
| | | Slime forming bacteria | IS:1622 | Qualitative (Present/Absent per ml) |
| | | E.Coli | IS:5887(Part 1) | Qualitative (Present/Absent per ml) |
| 3. | Purified Water | Total viable aerobic count (T.V.A.C.) | I.P. – 2018(Vol. - I), 2.2.9, PP-40 | 1 to 10 ² cfu/ml |
| | | Total Yeast and mould count (T.Y.M.C.) | I.P. – 2018(Vol. - I), 2.2.9, PP-40 | 1 to 10 cfu/ml |
| | | Staphylococcus aureus | I.P. – 2018(Vol. - I), 2.2.9, PP-46 | Qualitative (Present or Absent per ml) |
| | | E. coli | I.P. – 2018(Vol. - I), 2.2.9, PP-45 | Qualitative (Present or Absent per ml) |
| | | Pseudomonas aeruginosa | I.P. – 2018(Vol. - I), 2.2.9, PP-46 | Qualitative (Present or Absent per ml) |

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|-------------|---|-------------------------|---|--|
| | | Salmonella Spp. | I.P. – 2018(Vol. - I), 2.2.9, PP-45 | Qualitative (Present or Absent per ml or g) |
| | | Shigella Spp. | I.P. – 2018(Vol. - I), 2.2.9, PP-45 | Qualitative (Present or Absent per ml or g) |
| VII. | MARINE/ AQUA CULTURE FOOD PRODUCTS | | | |
| 1. | Fish & Sea Food | Total Plate Count | IS: 5402 | ≥ 10 cfu/g |
| | | Coliform | IS: 5401(Part 1) | ≥ 10 cfu/g |
| | | Yeast & Mould count | IS:5403 | ≥ 10 cfu/g |
| | | Staphylococcus aureus | IS:5887(Part -2) | Qualitative (Present/Absent per g) |
| | | Salmonella Spp. | IS:5887(Part -3) | Qualitative (Present/Absent per 25 g) |
| | | Shigella Spp. | IS:5887(Part -7) | Qualitative (Present/Absent per 25 g) |

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| <u>CHEMICAL TESTING</u> | | | | |
| I. | POLLUTION & ENVIRONMENT | | | |
| 1. | Waste Water (Effluents/ Sewage) | Colour | IS 3025 (Part 4) | 1 Hazen units (HU) to 500 Hazen units (HU) |
| | | Conductivity | IS 3025 (Part 14) | 2 µmhos/cm to 10000 µmhos/cm |
| | | Total solids | IS 3025 (Part 18) | 5 mg/l to 10000 mg/l |
| | | Total suspended solid | IS 3025 (Part 17) | 5 mg/l to 500 mg/l |
| | | pH | IS 3025 (Part 11) | 4to 10 |
| | | Oil & Grease | IS 3025 (Part 39) | 4 mg/l to 100 mg/l |
| | | Biochemical Oxygen Demand | IS 3025 (Part 44) | 1 mg/l to 1000 mg/l |
| | | Chemical Oxygen Demand | IS 3025 (Part 58) | 2 mg/l to 5000 mg/l |
| | | Total Dissolved solids | IS 3025 (Part 16) | 5 mg/l to 10000 mg/l |
| | | Total Kjeldahl Nitrogen | IS 3025 (Part 34) | 1 mg/l to 20 mg/l |
| | | Ammonical Nitrogen | IS 3025 (Part 34) | 0.5 mg/l to 50 mg/l |
| | | Phosphate as P | IS 302 (Part 31) | 0.1 mg/l to 50 mg/l |
| | | Chloride as Cl | IS 3025 (Part 32) | 2.5 mg/l to 5000 mg/l |
| | | Sulphide as H ₂ S | IS 3025 (Part 29) | 0.05 mg/l to 10 mg/l |
| Hexavalent Chromium as Cr ⁺⁶ | IS 3025 (Part 52) | 0.1 mg/l to 50 mg/l | | |
| Sulphate as SO ₄ | IS 3025 (Part 24) | 1 mg/l to 1000 mg/l | | |
| Nitrate as NO ₃ | IS 3025 (Part 34) | 1 mg/l to 50 mg/l | | |
| Fluoride (as F) | IS 3025 (Part 60) | 0.2 mg/l to 10 mg/l | | |

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|-------------|--|---------------------------------------|---|--|
| II. | ATMOSPHERIC POLLUTION | | | |
| 1. | Stack Emission | Particulate Matter (PM) | IS 11255 (Part 1) | 10 mg/Nm ³ to 1000 mg/Nm ³ |
| | | Sulphur Dioxide (SO ₂) | IS 11255 (Part 2) | 2 mg/Nm ³ to 1000 mg/Nm ³ |
| | | Carbon Monoxide (CO) | IS 13270 (Part 10) | 0.2% to 2% |
| | | Carbon Dioxide (CO ₂) | IS 13270 | 1% to 20% |
| | | Nitrogen Oxide (No _x) | IS 11255 (Part 7) | 2 mg/Nm ³ to 100 mg/Nm ³ |
| 2. | Ambient Air | Suspended Particulate Matter (PM 2.5) | DARL/SOP/ENV/AAQ/01 Issue No.: 2 Issue Date: 28/03/2018 | 5 mg/Nm ³ to 200 mg/Nm ³ |
| | | RSPM | IS 5182 (Part 23) | 10 µg/m ³ to 400 µg/m ³ |
| | | Carbon Monoxide (CO) | IS 5182 (Part 10) | 1 mg/Nm ³ to 1000 mg/Nm ³ |
| | | Sulphur Dioxide (SO ₂) | IS 5182 (Part 2) | 4 µg/m ³ to 800 µg/m ³ |
| | | Nitrogen Oxide (No _x) | IS 5182 (Part 6) | 4 µg/m ³ to 800 µg/m ³ |
| | | Ammonia (as NH ₃) | Indophenol Blue Method DARL/SOP/ENV/AAQ/02 Issue No.: 2 Issue Date: 28/03/2018 | 10 µg/m ³ to 700 µg/m ³ |
| | | Ozone (as O ₃) | IS 5182 (Part 9) | 1 µg/m ³ to 200 µg/m ³ |
| III. | WATER | | | |
| 1. | Drinking /Potable / Natural /Water for Process food Water | Colour | IS 3025 (Part 4) | 1 Hazen units to 500 Hazen units |
| | | Odour | IS 3025 (Part 5) | Qualitative |
| | | Turbidity | IS 3025 (Part 10) | 1 NTU to 400 NTU |

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|-----|----------------------------|--|---|--|
| | | Total Dissolved Solids | IS 3025 (Part 16) | 5 mg/l to 5000 mg/l |
| | | pH value | IS 3025 (Part 11) | 4to 12 |
| | | Nitrate(as NO ₃) | IS 3025 (Part 34) | 0.5 mg/l to 100 mg/l |
| | | Nitrite(as NO ₂) | IS 3025 (Part 34) | 0.01 mg/l to 5 mg/l |
| | | Fluoride (as F) | IS 3025 (Part 60) | 0.2 mg/l to 5 mg/l |
| | | Chloride (as Cl) | IS 3025 (Part 32) | 2.5 mg/l to 1000 mg/l |
| | | Sulphate (as SO ₄) | IS 3025 (Part 24) | 1 mg/l to 500 mg/l |
| | | Alkalinity (as CaCO ₃) | IS 3025 (Part 23) | 2 mg/l to 1500 mg/l |
| | | Calcium (as Ca) | IS 3025 (Part 40) | 0.5 mg/l to 1500 mg/l |
| | | Magnesium (as Mg) | IS 3025 (Part 46) | 0.5 mg/l to 500 mg/l |
| | | Sodium (as Na) | IS 3025 (Part 45) | 1 mg/l to 1000 mg/l |
| | | Residual free chlorine | IS 3025 (Part 26) | 0.1 mg/l to 5 mg/l |
| | | Boron (as B) | IS 3025 (Part 57) | 0.1 mg/l to 5 mg/l |
| | | Sulphide (as H ₂ S) | IS 3025 (Part 29) | 0.05 mg/l to 10 mg/l |
| | | Chloramines (as Cl ₂) | IS 3025 (Part 26) | 0.1 mg/l to 4.0 mg/l |
| | | Iron (as Fe) | IS 3025 (Part 53) IS 15303 | 0.1 mg/l to 10 mg/l |
| | | Total Hardness (CaCO ₃) | IS 3025 (Part 21) | 1.0 mg/l to 10000mg/l |
| | | Potassium (as K) | S 3025 (Part 45) | 1 mg/l to 500 mg/l |
| | | Ammonium (As total Ammonia-N) | IS 3025 (Part 34) | 0.5 mg/l to 20 mg/l |
| | | Phenolic compounds (as C ₆ H ₅ OH) | IS 3025 (Part 43) | 1.0 mg/l to 50 µg/l |
| | | Silica (as SiO ₂) | IS 3025 (Part 35) | 1 mg/l to 100 mg/l |
| | | Conductivity | IS 3025 (Part 14) | 1 µmhos/cm to 10000 µmhos/cm |
| 2. | Construction Water | Acidity | IS 3025 (Part 22) | 0.1 ml to 50 ml |
| | | Alkalinity | IS 3025 (Part 23) | 0.1 ml to 50 ml |
| | | pH | IS 3025 (Part 11) | 4to 10 |

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| | | Chloride | IS 3025 (Part 32) | 2.5 mg/l to 10000 mg/l |
| | | Sulphate | IS 3025 (Part 24) | 1 mg/l to 800 mg/l |
| | | Organic Compound | IS 3025 (Part 18) | 5 mg/l to 200 mg/l |
| | | Inorganic Compound | IS 3025 (Part 18) | 5 mg/l to 5000 mg/l |
| | | Suspended Solid | IS 3025 (Part 17) | 5 mg/l to 3000 mg/l |
| IV. | FOOD & AGRICULTURAL PRODUCTS | | | |
| 1. | Herbs, Spice & Condiments | | | |
| a. | Chilies & Capsicum, Turmeric, Black Pepper, Garam Masala, Cardamom (Choti Elaichi, Badi Elaichi), Cinamon (Dalchini), Cloves, Coriander, Cumin, Fenugreek, Ginger (Sonth & Adrak) (Whole and Ground Powder) | Moisture | IS 1797 | 0.40% to 20 % by mass |
| | | Ash | IS 1797 | 0.02% to 10 % by mass |
| | | Volatile Oil | IS 1797 | 0.10% to 10 % by mass |
| | | Acid Insoluble Ash, | IS 1797 | 0.02% to 10 % by mass |
| | | Non-Volatile Ether Extract | IS 1797 | 0.1% to 20 % by mass |
| | | Crude Fiber | FSSAI Manual –spice and Condiments,2016 Clause. 11 | 0.02% to 30 % by mass |
| | | Extraneous Matter | FSSAI Manual –spice and Condiments,2016 Clause. 11 | 0.5% to 10 % by mass |
| | Protein(6.25) | IS:7219:1973 | 1.0%to 25% | |
| b. | Black Pepper (Whole & Ground) | Broken berries | FSSAI Manual- spice and Condiments,2016 Clause. 2.0 | 0.2%to 10 % by mass |
| | | Black berries | FSSAI Manual- spice and Condiments,2016 Clause. 2.0 | 0.10 %to 10 % by mass |
| c. | Cardamom (Choti Elaichi, Badi Elaichi) | Immature and shriveled capsule | FSSAI Manual- spice and Condiments,2016 Clause. 2.0 | 0.2% to 20 % by mass |
| d. | Cloves (Laung) Whole, Powder | Tendrils Mother Cloves | FSSAI Manual- spice and Condiments,2016 Clause. 2.0 | 0.10% to 10 % by mass |

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|-----|--|---|---|--|
| | | Khokar Cloves | FSSAI Manual- spice and Condiments,2016 Clause. 2.0 | 0.10% to 10 % by mass |
| e. | Coriander (Whole & Powder) | Split fruits | FSSAI Manual- spice and Condiments,2016 Clause. 2.0 | 0.02% to 10 % by mass |
| f. | Fenugreek (Methi) Powder & Whole | Edible seeds other than fenugreek | FSSAI Manual- spice and Condiments,2016 Clause. 2.0 | 0.20% to 35 % by mass |
| g. | Chilli & Capsicum(Whole & Powder) | Unripe and Marked Food | FSSAI Manual- spice and Condiments,2016 Clause. 2.0 | 0.50% to 10 % by mass |
| | | Broken Fruits,Seeds and Fragments | FSSAI Manual- spice and Condiments,2016 | 0.50% to 10 % by mass |
| h. | Turmeric(Whole & Powder) | Presence of Lead Chromates | IS 3576 | Qualitative (Present/Absent) |
| | | Total Starch | FSSAI Manual- spice and Condiments,2016 Clause. 2.0 | Qualitative (Present/Absent) |
| | | Coloring powder expressed as curcuminoid content on dry basis | FSSAI Manual- spice and Condiments,2016 Clause. 2.0 | Qualitative (Present/Absent) |
| i. | Cumin(Powder& Whole) | Proportion of edible seeds other than cumin seeds | FSSAI Manual- spice and Condiments,2016 Clause. 2.0 | 0.20% to 10% |
| j. | Ginger (Sonth & Adrak) | Calcium as Calcium Oxide on dry basis Unbleached Bleached | FSSAI Manual- spice and Condiments,2016 Clause. 8.0 | 0.01% to 20 % by mass |
| | | Water soluble ash on dry basis | FSSAI Manual- spice and Condiments,2016 Clause. 5.0 | 0.01% to 20 % by mass |
| | | Alcohol (90 % v/w) soluble extract on dry basis | FSSAI Manual- spice and Condiments,2016 Clause. 7.0 | 0.01% to 20 % by mass |

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|-----------|--|---|---|--|
| | | Cold Water soluble extract on dry basis | FSSAI Manual- spice and Condiments,2016 Clause. 6.0 | 0.01% to 20 % by mass |
| 2. | Milk & Dairy Products | | | |
| a. | Fresh Milk & Pasteurized Milk, Toned Milk, Dahi, Curd | Total Fat | IS 1479 (Part 2) IS 11721: 2013 | 0.20% to 10 % by mass |
| | | Total Solids | IS 1479 (Part 2) | 1 % to 40 % by mass |
| | | Protein | IS 1479 (Part 2) | 0.20% to 40 % by mass |
| | | Moisture | IS 16072: 2012 | 0.1% to 10 % by mass |
| | | Titrateable Acidity | IS 11766: 1986 | 0.1 ml to 20 ml |
| | | Insolubility Index | IS 12759: 1989 | 0.1 ml to 5 ml |
| | | Sugars | FSSAI Lab manual -1: 2016 (Milk & Milk products) Clause. 1.2.1 | 0.1% to 20 % by mass |
| | | Cane Sugar | FSSAI Lab manual -1: 2016 (Milk & Milk products) Clause. 1.2.1 | Qualitative (Present/Absent) |
| | | Starch | FSSAI Lab manual -1: 2016n (Milk & Milk products) Clause. 1.2.2 | Qualitative (Present/Absent) |
| | | Cellulose | FSSAI Lab manual -1: 2016 (Milk & Milk products) Clause. 1.2.3 | Qualitative (Present/Absent) |
| | | Added Urea | FSSAI Lab manual -1: 2016 (Milk & Milk products) Clause. 1.2.4 | Qualitative (Present/Absent) |
| | | Ammonium Compound | FSSAI Lab manual -1: 2016 (Milk & Milk products) Clause. 1.2.5 | Qualitative (Present/Absent) |
| | | Sulphates | FSSAI Lab manual -1: 2016 (Milk & Milk products) Clause. 1.2.6 | Qualitative (Present/Absent) |

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|-----|----------------------------|-------------------------------|--|--|
| | | Added Glucose | FSSAI Lab manual (Milk & Milk products) | Qualitative (Present/Absent) |
| | | Added Glucose | FSSAI Lab manual -1: 2016 (Milk & Milk products) Clause. 1.2.7 | 0.10% to 10 % by mass |
| | | Sodium Chloride | FSSAI Lab manual -1: 2016 (Milk & Milk products) | 0.20% to 10 % |
| | | Foreign fat | FSSAI Lab manual -1: 2016 (Milk & Milk products) Clause. 1.2.8 | Qualitative (Present/Absent) |
| | | Nitrate | FSSAI Lab manual -1: 2016 (Milk & Milk products) Clause. 1.2.10 | Qualitative (Present/Absent) |
| | | Neutralizer | FSSAI Lab manual -1: 2016 (Milk & Milk products) Clause. 1.2.11 | Qualitative (Present/Absent) |
| | | Hypochlorites and Chloramines | FSSAI Lab manual -1: 2016 (Milk & Milk products), Clause. 1.2.12 | Qualitative (Present/Absent) |
| | | Quaternary ammonium Compound | FSSAI Lab manual -1: 2016 (Milk & Milk products), Clause. 1.2.13 | Qualitative (Present/Absent) |
| | | Anionic Detergent | FSSAI Lab manual -1: 2016 (Milk & Milk products) Clause. 1.2.14 | Qualitative (Present/Absent) |
| | | Formaline | FSSAI Lab manual -1: 2016 (Milk & Milk products), Clause. 1.2.17 | Qualitative (Present/Absent) |
| | | Hydrogen Peroxide | FSSAI Lab manual -1: 2016 (Milk & Milk products), Clause. 1.2.18 | Qualitative (Present/Absent) |
| | | Boric Acid And Borates | FSSAI Lab manual -1: 2016 (Milk & Milk products) Clause. 1.2.19 | Qualitative (Present/Absent) |

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|-----|-----------------------------------|-------------------------|--|--|
| (b) | Chhena Panner, Cheese | Moisture | IS 275: 1979 (Appendix A) | 10 %to 60 % by mass |
| | | Fat | IS 2785: 1979 (Appendix B) | 1.0% to 65 % by mass |
| | | Protein | IS 7219: 1973 | 1 % to 80 % by mass |
| | | Ash | IS 5162: 1980 | 0.10% to 10 % by mass |
| (c) | Milk Ice Or Milk Lolly, Ice Cream | Total Solids | FSSAI Lab manual -1: 2016 (Milk & Milk products) Clause. 1.3.3 | 1 % to 40 % by mass |
| | | Milk Fat | FSSAI Lab manual -1: 2016 (Milk & Milk products) Clause. 4.2 | 0.10% to 40 % by mass |
| | | Milk Protein | FSSAI Lab manual -1: 2016 (Milk & Milk products), Cause. 3.4 | 0.20% to 20 % by mass |
| (d) | Butter, Ghee And Milk Fat | Moisture | FSSAI Lab manual -1: 2016 (Milk & Milk product) Clause. 12.2 | 0.20% to 20 % by mass |
| | | Milk Fat | FSSAI Lab manual -1: 2016 (Milk & Milk product) Clause. 12.3 | 10% to 99 % by mass |
| | | Milk Solid Not Fat | FSSAI Lab manual -1: 2016 (Milk & Milk product) | 1 %to 15 % by mass |
| | | Common Salt | FSSAI Lab manual-1: 2016 (Milk & Milk product) Clause. 12.4 | 0.20%to 10 % by mass |
| | | Vegetable oil | FSSAI Lab manual -1: 2016 (Milk & Milk product) Clause. 13.6 | Qualitative (Present/Absent) |
| | | Mineral Oil | FSSAI Lab manual -1: 2016 (Milk & Milk product) Clause. 13.6 | Qualitative (Present/Absent) |
| | | FFA as Oleic Acid | FSSAI Lab manual -1: 2016 (Milk & Milk product) Clause. 13.6 | 0.10% to 10% |

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|------------|--|---------------------------|---|--|
| | | Peroxide Value | FSSAI Lab manual -1: 2016 (Milk & Milk product) | 0.10 meq/kg to 20 meq/kg |
| | | Baudouin Test | FSSAI Lab manual -1: 2016 (Milk & Milk product) Clause. 13.6 | Qualitative (Present/Absent) |
| (e) | Cream Powder/ Cream/ Malai | Foreign Matter | FSSAI Lab manual -1: 2016 (Milk & Milk product) Clause. 2.0 | Qualitative (Present/Absent) |
| | | Vegetable oil | FSSAI Lab manual -1: 2015 (Milk & Milk product) Clause. 13.6 | Qualitative (Present/Absent) |
| | | Mineral Oil | FSSAI Lab manual -1: 2016 (Milk & Milk product) Clause. 13.5 | Qualitative (Present/Absent) |
| | | Starch | FSSAI Lab manual -1: 2016 (Milk & Milk product) Clause. 2.3.1 | Qualitative (Present/Absent) |
| | | Fat | FSSAI Lab manual -1: 2016 (Milk & Milk product) , Clause. 2.2 | 1% to 80 % by mass |
| | | Protein | FSSAI Lab manual -1: 2016 (Milk & Milk product) Clause. 3.4 | 1% to 40.0 % by mass |
| (f) | Dairy Based Desert/ Confections | Total Solid | FSSAI Lab manual -1: 2016 (Milk & Milk product) Clause. 4.4 | 1% to 50 % by Mass |
| | | Adulterant test (Wt/ Vol) | FSSAI Lab manual -1: 2016 (Milk & Milk product), Clause. 7.3 | 1.0 g/l to 90 g/l |
| | | Total Fat | FSSAI Lab manual -1: 2016 (Milk & Milk product) Clause. 4.2 | 1% to 50 % by mass |
| | | Total Protein | FSSAI Lab manual -1: 2016 (Milk & Milk product) Clause. 3.4 | 1% to 40 % by mass |

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|-----|---|-------------------------|---|--|
| (g) | Khoya | Milk Fat | FSSAI Lab manual -1: 2016 (Milk & Milk product) Clause. 11.3 | 1% to 50 % by mass |
| | | Acidity as Citric Acid | FSSAI Lab manual -1: 2016 (Milk & Milk product) Clause. 9.5 | 0.1% to 5 % by mass |
| (h) | Evaporated/ Condensed Milk And Milk Product / Sweetend Condensed Milk, Milk Powder | Foreign Matter | FSSAI Lab manual -1: 2016 (Milk & Milk product) Clause. 9 | Qualitative (Present/Absent) |
| | | Milk Fat | FSSAI Lab manual -1: 2016 (Milk & Milk product) Clause. 9.5 | 1% to 50 % by mass |
| | | Milk Solid | FSSAI Lab manual -1: 2016 (Milk & Milk product) Clause. 9.2 | 1 % to 100 % by mass |
| | | Milk Protein in Milk | FSSAI Lab manual -1: 2016 (Milk & Milk product) Clause. 9.6 | 1% to 50 % by mass |
| | | Solid Not Fat | FSSAI Lab manual -1: 2016 (Milk & Milk product) Clause. 9.6 | 1% to 60 % by mass |
| | | Added Sugar | FSSAI Lab manual -1: 2016 (Milk & Milk product) Clause. 9.4.1 | 1 to 50 % by mass |
| (i) | Chakka And Shrikhand | Total Solids | FSSAI Lab manual -1: 2016 (Milk & Milk products) Clause. 4 | 1% to 50 % by mass |
| | | Milk Fat | FSSAI Lab manual -1: 2016 (Milk & Milk products) Clause. 4.2 | 0.10% to 50 % by mass |
| | | Milk Protein | FSSAI Lab manual -1: 2016 (Milk & Milk products) Clause. 4.2 | 0.10% to 50 % by mass |

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| | | Titration acidity (as lactic acid) | FSSAI Lab manual -1: 2016 (Milk & Milk products) Clause. 9.5/ IS 11766: 1986 | 0.10% to 10 % by mass |
| | | Sugar (Sucrose) | FSSAI Lab manual -1: 2016 (Milk & Milk products) Clause. 9.4.1 | 0.30% to 40 % by mass |
| | | Total Ash | FSSAI Lab manual -1: 2016 (Milk & Milk products) Clause. 16.5 | 0.02% to 40 % by mass |
| (j) | Chocolate | Acid Insoluble ash | IS 1163 | 0.02%to 10 % by mass |
| | | Total Fat | IS 1163 | 0.1% to 60 % by mass |
| 3. | Tea | Moisture | IS 3633 IS 13853 | 0.1% to 20 % by mass |
| | | Total Ash | IS 13854 | 0.02% to 10% by mass |
| | | Acid Insoluble Ash | IS 13857 | 0.02% to 10 % by mass |
| | | Water Extract | IS 13862 | 10 %to 50 % by mass |
| 4. | Starch & Starchy Product | | | |
| a. | Corn Flakes | Moisture | IS 1158 | 0.1% to 20 % by mass |
| | | Total Ash | IS 1158 | 0.02% to 10% by mass |
| | | Acid Insoluble Ash | IS 1158 | 0.02 %to 20 % by mass |
| | | Alcoholic Acidity as H ₂ SO ₄ | IS 1158(Amd. 3) | 0.02 %to 20 % by mass |
| b. | Custard Powder | Moisture | IS 4706 (Part 2) | 0.1 %to 10 % by mass |
| | | Total Ash | IS 4706 (Part 2) | 0.02% to 10 % by mass |
| | | Acid Insoluble Ash | IS 4706 (Part 2) | 0.02% to 20 % by mass |
| | | Gelling Power | IS 1007 | Qualitative |
| c. | Macaroni / Vermicelli | Moisture | IS 1485 (Annexure C) | 0.02% to 10% by mass |
| | | Total Ash | IS 1485 | 0.02 %to 10 % by mass |
| | | Free Acidity | IS 1485 | 0.02 %to 20 % by mass |

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| | | Acid Insoluble Ash | IS 1485 | 1 %to 20 % by mass |
| | | Protein | IS 1485 | 2%to 20% by mass |
| (5) | Bakery & Confectionary Products | | | |
| a) | Chewing Gum / Bubble Gum | | | |
| | | Moisture | IS 6287 | 0.02 %to 20 % by mass |
| | | Sulphated Ash | IS 6287 | 0.1 %to 10 % by mass |
| | | Acid Insoluble Ash | IS 6287 | 0.02% to 10 % by mass |
| (b) | Biscuits, Bread | Moisture | IS 1011 | 0.1% to 10 % by mass |
| | | Acid Insoluble ash | IS 1011 | 0.1% to 20 % by mass |
| | | Acidity of the extracted Fat | IS 1011 | 0.02% to 10% by mass |
| (6) | Cereals, Pulses & Cereal Products | | | |
| (a) | Corn Flour | Moisture | IS 4706(P-II) | 0.1 %to 20 % by mass |
| | | Total Ash | IS 4706(P-II) | 0.01% to 10 % by mass |
| | | Acid Insoluble Ash | IS 4706(P-II) | 0.01% to 20 % by mass |
| | | Protein(Nx6.25) | IS 4706(P-II) | 0.01% to 10% by mass |
| | | Alcoholic Acidity as H ₂ SO ₄ | IS 4706(P-II) | 0.01% to 20 % by mass |
| | | Crude Fibre | IS 1155(P-II) | 1.0% to 50% |
| (b) | Food Grain (Rice, Wheat, Barley, Sorghum, Oat, All Pulses) | Moisture | IS 4333 (Part 2) | 0.1 % to 10 % by mass |
| | | Damage grain | IS 2813 | 0.1 % to 10 % by mass |
| | | Other edible grain | IS 2813 | 0.1%to 20 % by mass |
| | | Foreign Matter | IS 2813 | 0.1% to 10 % by mass |
| | | Insect & Rodent contaminated Grain | IS 2813 | 0.1% to 10 % by mass |
| | | Total of foreign matter, other edible grains and damaged grains | IS 2813 | 0.5% to 10 % by mass |

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| (c) | Wheat Atta | Loss on drying | IS 1155 | 0.1 % to 20 % by mass |
| | | Total Ash, | IS 1155 | 002% to 10 % by mass |
| | | Alcoholic Acidity as H ₂ SO ₄ | IS 1155 | 0.02% to 10 % by mass |
| | | Gluten | IS 1155 | 0.02% to 10 % by mass |
| | | Granularity | IS 1155 | 0.5% to 15 % by mass |
| (d) | Maida | Loss on drying | IS 1009 | 0.1% to 30 % by mass |
| | | Total Ash | IS 1009 | 0.02% to 10 % by mass |
| | | Acid Insoluble Ash | IS 1009 | 0.02% to 10 % by mass |
| | | Alcoholic Acidity as H ₂ SO ₄ | IS 1009 | 0.02% to 10 % by mass |
| | | Gluten | IS 1009: | 1% to 20 % by mass |
| | | Granularity | IS 1009 | Qualitative (Present/Absent) |
| (e) | Semolina (Suji) | Total Ash | IS 1010 | 0.02% to 10 % by mass |
| | | Acid Insoluble Ash | IS 1010 | 0.02% to 5 % by mass |
| | | Alcoholic Acidity as H ₂ SO ₄ | IS 1010 | 0.02% to 5 % by mass |
| | | Gluten | IS 1010 | 1.0% to 30.0 % by mass |
| | | Loss on drying, | IS 1010 | 0.1% to 30 % by mass |
| | | Sieve Test | | |
| | | Material passing through 1.18 mm sieve | IS 1010 | 90% to 100% by mass |
| | | Sieve Material Retained on 710 micron Sieve | IS 1010 | 90% to 100 % by mass |
| | | Sieve Material Retained on 250 micron Sieve | IS 1010 | 90% to 100 % by mass |

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| 7. | Sugar & Sugar Products | | | |
| a. | White Sugar | Loss on Drying | IS 15279 | 0.1 by mass to 10 by mass |
| | | Polarization | IS 15279 | 90 °Z to 100 °Z |
| | | Reducing Sugar | IS 15279 | 1% to 10 % by mass |
| | | Colour | IS:15279 | 1to 200 ICUMSA Units |
| | | Conductivity ash | IS 15279 | 0.02% to 5 % by mass |
| | | Sulphur dioxide | IS 15279 | 1 mg/kg to 100 mg/kg |
| 8. | Honey and Honey Products | | | |
| a. | Honey | foreign matter | IS 4941 | Qualitative (Present/Absent) |
| | | Colour | IS 4941 | Qualitative (Light to Dark Brown) |
| | | Specific Gravity | IS 4941 | 0.01 to 1.5 |
| | | Moisture | IS 4941 | 13 to 25 % by mass |
| | | Total Reducing Sugar | IS 4941 | 1 to 90 % by mass |
| | | Sucrose | IS 494 | 0.1 to 10 % by mass |
| | | Ash | IS 4941 | 0.01 to 5 % by mass |
| | Acidity | IS 4941 | 0.01 to 5 % by mass | |
| 9. | Edible Oil, Fats | | | |
| a. | Coconut Oil, Cotton Seed oil, Ground nut Oil, Linseed Oil, Mustard Oil, Olive Oil | Rancidity | IS 548 (Part 2) | Qualitative (Present/Absent) |
| | | Mineral Oil | IS 548 (Part 2) | Qualitative (Present/Absent) |
| | | Suspended or other foreign matter | IS 548 (Part 1) | Qualitative (Present/Absent) |
| | | Refractive Index at 40°C | IS 548 (Part 1) | 1.422 to 1.489 |
| | | Colour | IS 548 (Part 1) | Qualitative |
| | | Saponification Value | IS 548 (Part 1) | 20 to 200 |

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|------------|---|---------------------------------|---|--|
| | | Iodine Value | IS 548 (Part 1) | 5 to 100 |
| | | Unsaponifiable Matter % by mass | IS 548 (Part 1) | 0.1% to 20 % by mass |
| | | Acid Value | IS 548 (Part 1) | 0.1% to 20 % by mass |
| | | Test for Argemone Oil | IS 548 (Part 2) | Qualitative (Present/Absent) |
| 10. | Other | | | |
| a. | Namkeen , Chips, Kurkure and other Snacks | Moisture | IS 15271 | 0.1 %to 10 % by mass |
| | | Acid Insoluble Ash | IS 15271 | 0.02% to 10 % by mass |
| | | Oil/ Fat | IS 15271 | 0.1%to 80 % by mass |
| | | Acidity of the extracted fat | IS 15271 | 0.10% to 20 % by mass |
| b. | Iodized Salt, Vacuum Evaporated Iodized & Refined Salt | Moisture Content | IS 7224 | 0.1% to 10 % by mass |
| | | Matter Insoluble in Water | IS 7224 | 85%to 99 % by mass |
| | | Chloride content | IS 7224 | 1 %to 99 % by mass |
| | | Matter soluble in Water | IS 7224 | 0.1% to 99.5 % by mass |
| | | Calcium | IS 7224 | 0.1 %to 10 % by mass |
| | | Magnesium | IS 7224 | 0.1 %to 10 % by mass |
| | | Sulphate | IS 7224 | 0.1% to 10 % by mass |
| | | Iodine | IS 7224 | 1 mg/kg to 50 mg/kg |
| V. | RESIDUES IN FOOD PRODUCTS | | | |
| I. | Trace Metal Elements | | | |
| a | Spices and Condiments | Lead | DARL/SOP/INS/020, Issue No. 01, Issue Date 29/08/2016 | 8 mg/ kg to 50 mg/ kg |
| | | Copper | DARL/SOP/INS/020, Issue No. 01, Issue Date 29/08/2016 | 8 mg/ kg to 50 mg/ kg |

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|-----------|----------------------------|-------------------------|---|--|
| | | Arsenic | DARL/SOP/INS/020, Issue No. 01, Issue Date 29/08/2016 | 0.8 mg/ kg to 5 mg/ kg |
| | | Tin | DARL/SOP/INS/020, Issue No. 01, Issue Date 29/08/2016 | 40 mg/ kg to 500 mg/kg |
| | | Zinc | DARL/SOP/INS/020, Issue No. 01, Issue Date 29/08/2016 | 5 mg/ kg to 50 mg/kg |
| | | Mercury | DARL/SOP/INS/020, Issue No. 01, Issue Date 29/08/2016 | 0.8 mg/ kg to 5 mg/ kg |
| | | Cadmium | DARL/SOP/INS/020, Issue No. 01, Issue Date 29/08/2016 | 2 mg/ kg to 10 mg/ kg |
| b. | Bakery Product | Lead | DARL/SOP/INS/020, Issue No. 01, Issue Date 29/08/2016 | 8 mg/ kg to 50 mg/ kg |
| | | Copper | DARL/SOP/INS/020, Issue No. 01, Issue Date 29/08/2016 | 8 mg/ kg to 50 mg/ kg |
| | | Arsenic | DARL/SOP/INS/020, Issue No. 01, Issue Date 29/08/2016 | 0.8 mg/ kg to 5 mg/ kg |
| | | Tin | DARL/SOP/INS/020, Issue No. 01, Issue Date 29/08/2016 | 40 mg/ kg to 500 mg/kg |
| | | Zinc | DARL/SOP/INS/020, Issue No. 01, Issue Date 29/08/2016 | 5 mg/ kg to 50 mg/kg |
| | | Mercury | DARL/SOP/INS/020, Issue No. 01, Issue Date 29/08/2016 | 0.8 mg/ kg to 5 mg/ kg |

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|-----------|----------------------------|-------------------------|---|--|
| | | Cadmium | DARL/SOP/INS/020, Issue No. 01, Issue Date 29/08/2016 | 2 mg/ kg to 10 mg/ kg |
| c. | Tea | Lead | DARL/SOP/INS/020, Issue No. 01, Issue Date 29/08/2016 | 8 mg/ kg to 50 mg/ kg |
| | | Copper | DARL/SOP/INS/020, Issue No. 01, Issue Date 29/08/2016 | 8 mg/ kg to 50 mg/ kg |
| | | Arsenic | DARL/SOP/INS/020, Issue No. 01, Issue Date 29/08/2016 | 0.8 mg/ kg to 5 mg/ kg |
| | | Tin | DARL/SOP/INS/020, Issue No. 01, Issue Date 29/08/2016 | 40 mg/ kg to 500 mg/kg |
| | | Zinc | DARL/SOP/INS/020, Issue No. 01, Issue Date 29/08/2016 | 5 mg/ kg to 50 mg/kg |
| | | Mercury | DARL/SOP/INS/020, Issue No. 01, Issue Date 29/08/2016 | 0.8 mg/ kg to 5 mg/ kg |
| | | Cadmium | DARL/SOP/INS/020, Issue No. 01, Issue Date 29/08/2016 | 2 mg/ kg to 10 mg/ kg |
| d. | Beverages | Lead | DARL/SOP/INS/020, Issue No. 01, Issue Date 29/08/2016 | 8 mg/ kg to 50 mg/ kg |
| | | Copper | DARL/SOP/INS/020, Issue No. 01, Issue Date 29/08/2016 | 8 mg/ kg to 50 mg/ kg |
| | | Arsenic | DARL/SOP/INS/020, Issue No. 01, Issue Date 29/08/2016 | 0.8 mg/ kg to 5 mg/ kg |

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|-----|---------------------------------|-------------------------|---|--|
| | | Tin | DARL/SOP/INS/020, Issue No. 01, Issue Date 29/08/2016 | 40 mg/ kg to 500 mg/kg |
| | | Zinc | DARL/SOP/INS/020, Issue No. 01, Issue Date 29/08/2016 | 5 mg/ kg to 50 mg/kg |
| | | Mercury | DARL/SOP/INS/020, Issue No. 01, Issue Date 29/08/2016 | 0.8 mg/ kg to 5 mg/ kg |
| | | Cadmium | DARL/SOP/INS/020, Issue No. 01, Issue Date 29/08/2016 | 2 mg/ kg to 10 mg/ kg |
| f. | Milk & Milk Products | Lead | DARL/SOP/INS/020, Issue No. 01, Issue Date 29/08/2016 | 8 mg/ kg to 50 mg/ kg |
| | | Copper | DARL/SOP/INS/020, Issue No. 01, Issue Date 29/08/2016 | 8 mg/ kg to 50 mg/ kg |
| | | Arsenic | DARL/SOP/INS/020, Issue No. 01, Issue Date 29/08/2016 | 0.8 mg/ kg to 5 mg/ kg |
| | | Tin | DARL/SOP/INS/020, Issue No. 01, Issue Date 29/08/2016 | 40 mg/ kg to 500 mg/kg |
| | | Zinc | DARL/SOP/INS/020, Issue No. 01, Issue Date 29/08/2016 | 5 mg/ kg to 50 mg/kg |
| | | Mercury | DARL/SOP/INS/020, Issue No. 01, Issue Date 29/08/2016 | 0.8 mg/ kg to 5 mg/ kg |
| | | Cadmium | DARL/SOP/INS/020, Issue No. 01, Issue Date 29/08/2016 | 2 mg/ kg to 10 mg/ kg |

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|------------|------------------------------------|--|---|--|
| VI. | DRUGS & PHARAMCEUTICALS | | | |
| A. | General Test Parameter | | | |
| 1. | API/ Finish Products | Solubility | IP 2018, 2.4.24 Page. 220 | Qualitative |
| | | pH Values | IP 2018, 2.4.24 Page. 215 | 0.1 to 12 |
| | | Melting Point (method I) | IP 2018, 2.4.21 Page. 209 | 35°C to 300 °C |
| | | Refractive Index | IP 2018, 2.4.24 Page. 251 | 1.3 to 1.7 |
| | | Optical rotation | IP 2018, 2.4.22 Page. 212 | (-)89° to (+)89° |
| | | Specific optical rotation | IP 2018, 2.4.22 Page. 212 | (-)999.99° to (+)999.99° |
| | | Weight per Milliliter | IP 2018, 2.4.24 Page. 256 | 0.8 to 1.5 g/ml |
| | | Limit test for Heavy metals (Method A,C & D) | IP 2018, 2.3.13, Page. 139 | Qualitative |
| | | Limit test for chlorides | IP 2018, 2.3.12 Page.138 | Qualitative |
| | | Limit test for Arsenic | IP 2018, 2.3.10 Page. 138 | Qualitative |
| | | Limit test for Iron | IP 2018, 2.3.14 Page. 139 | Qualitative |
| | | Limit test for Lead | IP 2018, 2.3.15 Page.139 | Qualitative |
| | | Limit test for Sulphates | IP 2018, 2.3.17 Page. 140 | Qualitative |
| | | Sulphated Ash | I.P 2018, Vol-2,2.3.18 Page No. 140 | 0.05% to 10% w/w |
| | | Loss on drying | I.P 2018, Vol-2,2.3.18 Page No. 209 | 0.05 %to 20% w/w |

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| | | Water | I.P 2018, Vol-2, 2.3.18 Page No. 156, 2.3.43 | 0.02% to 20% w/w |
| | | Appearance of Solution | I.P 2018, Vol-2, 2.3.18 Page No. 173 | Qualitative |
| | | Zinc | I.P 2018, Vol-2, 2.3.18 Page No. 158, 2.3.444 | Qualitative |
| B. | Drug Substance (Active Pharmaceutical Ingredients) | | | |
| 1. | Aspirin | Identification (B,C) | I.P-2018(Vol-2) Page No.1274, 2.4.6 (B,C) | Qualitative |
| | | Clarity of Solution in Alkali | I.P-2018(Vol-2) Page No.1274, 2.4.1 | Qualitative |
| | | Assay | I.P-2018(Vol-2) Page No.1274, | 79.5% to 120.5% w/w |
| 2. | Aluminium Hydroxide Dried | Identification (A) | I.P-2018(Vol-2) Page No.1186 | Qualitative |
| | | Neutralizing Capacity | I.P-2018(Vol-2) Page No.1186 | Qualitative |
| | | Assay | I.P-2018(Vol-2) Page No.1186 | 27.0% to 80.0 % w/w |
| 3. | Ammonium Chloride | Identification | IP 2018 (Vol. 2) Page No. 1225 | Qualitative |
| | | Calcium | IP 2018 (Vol. 2) Page No. 1225 | Qualitative |
| | | Thiocyanate | IP 2018 (Vol. 2) Page No. 1225 | Qualitative |
| | | Assay | IP 2018 (Vol. 2) Page No. 1225 | 79.0% to 120.5% w/w |
| 4. | Albendazol | Assay | IP 2018 (Vol. 2) Page No. 1168 | 78.0% to 122.0% w/w |
| 5. | Ascorbic Acid | Identification (B,C,D) | IP 2018 (Vol.2) Page No. 1270 (B,C,D) | Qualitative |

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|-----|----------------------------|---|---|--|
| | | Assay | IP 2018 (Vol.2) Page No. 1270 | 79. % to 120.5 % w/w |
| 6. | Atropine Sulphate | Identification (B,C) | I.P-2018(Vol-2) Page No.1297,2.4.6 | Qualitative |
| | | Atropine | I.P-2018(Vol-2) Page No.1297,2.4.17 | Qualitative |
| | | Foreign Alkaloids and Decomposition product | I.P-2018(Vol-2) Page No.1297,2.4.17 | Qualitative |
| | | Assay | I.P-2018(Vol-2) Page No.1297,2.4.25 | 69.0% to 121.0% w/w |
| 7. | Benzhexolhcl | Identification (B, C,) | I.P: 2018 (Vol. 2) Page No.1343 | Qualitative |
| | | Assay | I.P: 2018 (Vol. 2) Page No.1343 | 78.0% to 121.0 % w/w |
| 8. | Benzocaine | Identification (B,C,D) | I.P: 2018 (Vol. 2) Page No.1345 | Qualitative |
| | | Acidity or Alkalinity | I.P: 2018 (Vol. 2) Page No.1152-1153 | Qualitative |
| | | Assay | I.P: 2018 (Vol. 2) Page No.1345 | 79.0% to 121.0% w/w |
| 9. | Benzoic Acid | Readily Oxidisable substances | I.P: 2018 (Vol. 2) Page No.1346 | Qualitative |
| | | Readily Carbonisable substances | I.P: 2018 (Vol. 2) Page No.1346 | Qualitative |
| | | Cinnamic Acid | I.P: 2018 (Vol. 2) Page No.1346 | Qualitative |
| | | Chlorinated Compound | I.P: 2018 (Vol. 2) Page No.1346 | Qualitative |
| | | Assay | I.P: 2018 (Vol. 2) Page No.1346 | 78.5% to 120.5 %w/w |
| 10. | Bromhexinehclip | Assay | I.P: 2018 (Vol. 2) Page No.1406 | 78.5% to 121.5% w/w |
| 11. | Betamethasone IP | Assay | I.P: 2018 (Vol. 2) Page No.1363 | 76.0% to 124.0% w/w |

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|-----|----------------------------|-------------------------------------|---|--|
| 12. | Bisacodyl | Acidity or Alkalinity | I.P: 2018 (Vol. 2) Page No.1388 | Qualitative |
| | | Assay | I.P: 2018 (Vol. 2) Page No.1388 | 78.0% to 121.0 % w/w |
| 13. | Caffeine IP | Identification (B,C,D) | I.P: 2018 (Vol. 2) Page No.1445 | Qualitative |
| | | Assay | I.P: 2018 (Vol. 2) Page No.1445 | 78.5% to 121.5 % w/w |
| 14. | Calcium Carbonate IP | Identification (A,B) | I.P: 2018 (Vol. 2) Page No.1452 | Qualitative |
| | | Assay | I.P: 2018 (Vol. 2) Page No.1452 | 78.0% to 120.5 % w/w |
| | | Substances insoluble in acetic acid | I.P: 2018 (Vol. 2) Page No.1452 | Qualitative |
| | | Barium | I.P: 2018 (Vol. 2) Page No.1452 | Qualitative |
| | | Magnesium & Alkali metals | I.P: 2018 (Vol. 2) Page No.1452 | Qualitative |
| 15. | Calcium Pantothenate | Assay | I.P: 2018 (Vol. 2) Page No.1462 | 78.0% to 121.0 % w/w |
| 16. | Calcium Lactate | Identification (A,B) | I.P: 2018 (Vol. 2) Page No.1460 | Qualitative |
| | | Assay | I.P: 2018 (Vol. 2) Page No.1460 | 78.0% to 122.0 % w/w |
| 17. | Calcium Gluconate | Assay | I.P: 2018 (Vol. 2) Page No.1458 | 78.5% to 122.0 % w/w |
| | | Sucrose & Reducing sugar | I.P: 2018 (Vol. 2) Page No.1458 | Qualitative |
| 18. | Calcium Chloride | Identification (A,B) | I.P: 2018 (Vol. 2) Page No.1453 | Qualitative |
| | | Magnesium & Alkali Salt | I.P: 2018 (Vol. 2) Page No.1453 | Qualitative |
| | | Aluminium & Phosphate | I.P: 2018 (Vol. 2) Page No.1453 | Qualitative |

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| | | Assay | I.P: 2018 (Vol. 2) Page No.1453 | 77.0% to 123.0 % w/w |
| 19. | Calamine | Identification (A,B) | I.P: 2018 (Vol. 2) Page No.1446 | Qualitative |
| | | Acid insoluble | I.P: 2018 (Vol. 2) Page No.1446 | Qualitative |
| | | Alkaline Substances | I.P: 2018 (Vol. 2) Page No.1446 | Qualitative |
| | | Water soluble Dyes | I.P: 2018 (Vol. 2) Page No.1446 | Qualitative |
| | | Ethanol Soluble Dyes | I.P: 2018 (Vol. 2) Page No.1446 | Qualitative |
| | | Soluble barium salt | I.P: 2018 (Vol. 2) Page No.1446 | Qualitative |
| | | Assay | I.P: 2018 (Vol. 2) Page No.1446 | 78.0% to 120.5 w/w |
| 20. | Clofazimine | Assay | I.P: 2018 (Vol. 2) Page No.1663 | 98.5% to 101.5 w/w |
| 21. | Cetrimide | Identification (A,B,C,D) | I.P: 2018 (Vol. 2) Page No.1563 | Qualitative |
| | | Amine Salts | I.P: 2018 (Vol. 2) Page No.1563 | Qualitative |
| | | Assay | I.P: 2018 (Vol. 2) Page No.1563 | 76.0 % to 121.0 %w/w |
| 22. | Chlorpromazine Hcl | Identification (B,C,D) | I.P: 2018 (Vol. 2) Page No.1599 | Qualitative |
| | | Assay | I.P: 2018 (Vol. 2) Page No.1599 | 79.0% to 121.0 % w/w |
| 23. | Citric Acid Anhydrous | Readily Carbonisable Substances | I.P: 2018 (Vol. 2) Page No.1642 | Qualitative |
| | | Assay | I.P: 2018 (Vol. 2) Page No.1642 | 79.0 % to 121.0 % w/w |
| 24. | Dibasic Calcium Phosphate | Identification (A,B) | I.P: 2018 (Vol. 2) Page No.1464 | Qualitative |

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|-----|-----------------------------------|------------------------------------|---|--|
| | | Reducing Substances | I.P: 2018 (Vol. 2) Page No.1464 | Qualitative |
| | | Poisonous impurities | I.P: 2018 (Vol. 2) Page No.1464 | Qualitative |
| | | Monocalcium & Tricalcium Phosphate | I.P: 2018 (Vol. 2) Page No.1464 | Qualitative |
| | | Carbonate | I.P: 2018 (Vol. 2) Page No.1464 | Qualitative |
| | | Nitrate | I.P: 2018 (Vol. 2) Page No.1464 | Qualitative |
| | | Acid insoluble substances | I.P: 2018 (Vol. 2) Page No.1469 | Qualitative |
| | | Loss on ignition | I.P: 2018 (Vol. 2) Page No.209,2.4.22 | Qualitative |
| | | Assay | I.P: 2018 (Vol. 2) Page No.1464 | 78.0% to 125.0% w/w |
| 25. | Tribasic Calcium Phosphate | Identification (A,B) | I.P: 2018 (Vol. 2) Page No.1465 | Qualitative |
| | | Poisonous Impurities | I.P: 2018 (Vol. 2) Page No.1465 | Qualitative |
| | | Water Soluble Substances | I.P: 2018 (Vol. 2) Page No.1465 | Qualitative |
| | | Assay | I.P: 2018 (Vol. 2) Page No.1465 | 70.0% to 120.0% w/w |
| 26. | Dapsone | Identification (B,C,D) | I.P: 2018 (Vol. 2) Page No.1756 | Qualitative |
| | | Assay | I.P: 2018 (Vol. 2) Page No.1758 | 79.0% to 121.0% w/w |
| 27. | Diphenylhydramine Hcl | Identification (B,C,D) | I.P: 2018 (Vol. 2) Page No.1849 | Qualitative |
| | | Assay | I.P: 2018 (Vol. 2) Page No.1849 | 79.0 % to 121.0% w/w |
| 28. | Dexamethasone | Identification (B,C,D) | I.P: 2018 (Vol. 2) Page No.1777 | Qualitative |

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|-----|--------------------------------|--|---|--|
| | | Assay | I.P: 2018 (Vol. 2) Page No.1777 | 76.0% to 124.0% w/w |
| 29 | Dexamethasone Sodium Phosphate | Inorganic Phosphate | I.P: 2018 (Vol. 2) Page No.1779 | Qualitative |
| | | Assay | I.P: 2018 (Vol. 2) Page No.1779 | 76.0% to 124.0% w/w |
| 30. | Dicyclomine HCL IP | Assay | I.P: 2018 (Vol. 2) Page No.1815 | 79% to 120% |
| 31. | Diazepam | Identification (B,C,D) | I.P: 2018 (Vol. 2) Page No.1801 | Qualitative |
| | | Assay | I.P: 2018 (Vol. 2) Page No.1801 | 78.5% to 121.0% w/w |
| 32. | Dextromethorphan Hydrobromide | Assay | I.P: 2018 (Vol. 2) Page No.1792 | 79.0% to 121.0% w/w |
| | | N-N Dimethyl Aniline | I.P: 2018 (Vol. 2) Page No.1792 | Qualitative |
| 33. | Dextrose IP | Identification (A,B) | I.P: 2018 (Vol. 2) Page No.1796 | Qualitative |
| | | Sulphite | I.P: 2018 (Vol. 2) Page No.1796 | Qualitative |
| | | Foreign Sugars, Soluble Starch and dextrines | I.P: 2018 (Vol. 2) Page No.1796 | Qualitative |
| 34. | Cimetidine | Assay | I.P: 2018 (Vol. 2) Page No.1620 | 78.5% to 111.5 % w/w |
| 35. | Chlorpheniramine Maleate | Identification (B,C,D) | I.P: 2018 (Vol. 2) Page No.1596 | Qualitative |
| | | Assay | I.P: 2018 Page No.1596 | 78.0% to 121.0 % w/w |
| 36. | Diloxanidefuroate | Assay | I.P: 2018 Page No.1840 | 78.0% to 122.0 %/ w/w |
| 37. | Disodium Edetate | Assay | I.P: 2018 Page No.1858 | 78.5 % to 121.0 % w/w |

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| 38. | Frusemide | Identification (B,C) | I.P: 2018 (Vol. 2) Page No.2135 | Qualitative |
| | | Assay | I.P: 2018 (Vol. 2) Page No.2133 | 78.5% to 121.0 % w/w |
| 39. | Ferrous Fumarate | Identification (A,B,C) | IP 2018 Page. 2046 | Qualitative |
| | | Ferric Iron | IP 2018 Page. 2046 | Qualitative |
| | | Assay | IP 2018 Page. 2046 | 73.0% to 121.0% w/w |
| 40. | Ferrous Gluconate | Assay | IP 2018 Page. 2047 | Qualitative |
| 41. | Dried Ferrous Sulphate | Identification | IP 2018 Page.2050 | Qualitative |
| | | Manganese | IP 2018 Page.2050 | Qualitative |
| | | Basic Sulphate | IP 2018 Page.2051 | Qualitative |
| | | Copper | IP 2018 Page.2049 | Qualitative |
| | | Assay | IP 2018 Page.2050 | 66.0% to 110.0% w/w |
| 42. | Folic Acid | Identification | IP 2018 Page.2121 | Qualitative |
| 43. | Ibuprofen IP | Assay | IP 2018 Page.2261 | 78.0% to 110.0% w/w |
| 44. | Hydrochloric Acid | Identification(A,B) | IP 2018 Page.2218 | Qualitative |
| | | Residue on evaporation | IP 2018 Page.2218 | Qualitative |
| | | Bromide and Iodide | IP 2018 Page.2218 | Qualitative |
| | | Free Chlorine | IP 2018 Page.2218 | Qualitative |
| | | Assay | IP 2018 Page.2218 | 20% to 45% |
| 45. | Iron & Ammonium Citrate | Identification | IP 2018 Page.2315 | Qualitative |
| | | Free ferric compounds | IP 2018 Page.2315 | Qualitative |
| | | Assay | IP 2018 Page.2315 | 10.5% to 35.5% w/w |
| 46. | Lignocaine Hydrochloride | Identification (B,C,D) | IP 2018 Page. 2435 | Qualitative |
| | | Assay | IP 2018 Page. 2435 | 79% to 121% |
| | | 2-6 dimethyl Aniline | IP 2018 Page. 2435 | Qualitative |
| 47. | Magnesium Sulphate | Identification | IP 2018 Page. 2491 | Qualitative |
| | | Assay | IP 2018 Page. 2491 | 78 % to 105 % |

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| 48. | Methyl Salicylate | Identification | IP 2018 Page. 2577 | Qualitative |
| | | Assay | IP 2018 Page. 2577 | 79% to 120% |
| 49. | Metronidazole Benzoate | Identification | IP 2018 Page. 2594 | Qualitative |
| | | Assay | IP 2018 Page. 2594 | 78% to 121% |
| 50. | Microcrystalline Cellulose | Identification | IP 2018 Page. 2609 | Qualitative |
| | | Starch and Dextrins | IP 2018 Page. 2609 | Qualitative |
| | | Organic Impurities | IP 2018 Page. 2609 | Qualitative |
| | | Assay | IP 2018 Page. 2609 | 79% to 121% |
| 51. | Morphine Sulphate | Identification | IP 2018 Page. 2634 | Qualitative |
| | | Assay | IP 2018 Page. 2634 | 78% to 122.0% |
| 52. | Metronidazole IP | Identification | IP 2018 Page. 2593 | Qualitative |
| | | Assay | IP 2018 Page. 2593 | 80 to 100% |
| 53. | Potassium Permanganate | Identification | IP 2018 Page. 2968 | Qualitative |
| | | Water Insoluble Matter | IP 2018 Page. 2968 | 0.1% to 50% w/w |
| | | Assay | IP 2018 Page. 2968 | 79% to 121% |
| 54. | Phenol | Identification | IP 2018 Page. 2903 | Qualitative |
| | | Freezing Point | IP 2018 Page. 2903 | Qualitative |
| | | Non Volatile Matter | IP 2018 Page. 2903 | Qualitative |
| | | Assay | IP 2018 Page. 2903 | 79% to 110% |
| 55. | Phenobarbitone Sodium | Identification | IP 2018 Page. 2901 | Qualitative |
| | | Assay | IP 2018 Page. 2901 | 98% to 121% |
| 56. | Phenobarbitone | Identification | IP 2018 Page. 2900 | Qualitative |
| | | Assay | IP 2018 Page. 2901 | 79% to 121% |
| 57. | Propylene Glycol IP | Identification | IP 2018 Page. 3026 | Qualitative |
| | | Oxidising Substances | IP 2018 Page. 3026 | Qualitative |
| 58. | Paracetamol IP | Identification | IP 2018 Page. 2853 | Qualitative |
| | | Assay | IP 2018 Page. 2853 | 7% to 121% |
| 59. | Propyl Paraben | Identification | IP 2018 Page.3029 | Qualitative |

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Last Amended on --

| Sl. | Product / Material of Test | Specific Test Performed | Test Method Specification against which tests are performed | Range of Testing / Limits of Detection |
|-----|----------------------------|---------------------------------|---|--|
| 60. | Pyrazinamide | Identification | IP 2018 Page. 3042 | Qualitative |
| | | Assay | IP 2018 Page. 3042 | 79% to 120.5% |
| 61. | Pyridoxine Hydrochloride | Assay | IP 2018 Page. 3046 | 79% to 118.5% |
| 62. | Pseudoephedrine Hcl | Identification | IP 2018 Page. 3037 | Qualitative |
| | | Assay | IP 2018 Page. 3037 | 79% to 111% |
| 63. | Riboflavine | Identification | IP 2018 Page. 3111 | Qualitative |
| | | Light Absorption | IP 2018 Page. 3111 | Qualitative |
| | | Assay | IP 2018 Page. 3111 | 78% to 111% |
| 64. | Salicylic Acid | Lumiflavine | IP 2018 Page. 3111 | Qualitative |
| | | Identification | IP 2018 Page. 3168 | Qualitative |
| 65. | Sodium Benzoate | Assay | IP 2018 Page. 3168 | 79% to 120% |
| | | Identification | IP 2018 Page. 3206 | Qualitative |
| | | Chlorinated Compounds | IP 2018 Page. 3206 | Qualitative |
| 66. | Sodium Bicarbonate | Assay | IP 2018 Page. 3206 | 79% to 120.5% |
| | | Identification | IP 2018 Page. 3207 | Qualitative |
| | | Assay | IP 2018 Page. 3207 | 79% to 121% |
| 67. | Sodium Salicylate | Identification | IP 2018 Page. 3235 | Qualitative |
| | | Assay | IP 2018 Page. 3235 | 79% to 121% |
| 68. | Sodium Chloride | Identification | IP 2018 Page. 3210 | Qualitative |
| | | Potassium | IP 2018 Page. 3208 | Qualitative |
| | | Assay | IP 2018 Page. 3215 | 79% to 121% |
| 69. | Sodium Citrate | Identification | IP 2018 Page. 3215 | Qualitative |
| | | Assay | IP 2018 Page. 3215 | 79% to 121% |
| | | Oxalate | IP 2018 Page. 3215 | Qualitative |
| | | Tartrates | IP 2018 Page. 3215 | Qualitative |
| | | Readily Carbonisable Substances | IP 2018 Page. 3215 | Qualitative |
| 70. | Sucrose | Identification | IP 2018 Page. 3274 | Qualitative |
| | | Dextrins | IP 2018 Page. 3274 | Qualitative |

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| Sl. | Product / Material of Test | Specific Test Performed | Test Method Specification against which tests are performed | Range of Testing / Limits of Detection |
|-----------|-------------------------------|---|---|--|
| 71. | Sulphacetamide Sodium | Identification | IP 2018 Page 3275 | Qualitative |
| | | Assay | DARL/STP/PHAR/001 Issue No. 2/Issue Date 19-03-2018 | 79% to 121% |
| 72. | Thiamine Hydrochloride | Identification | IP 2018 Page. 3354 | Qualitative |
| | | Assay | IP 2018 Page. 3354 | 78.5% to 111% |
| 73. | Tinidazole | Identification | IP 2018 Page. 3381 | Qualitative |
| | | Assay | IP 2018 Page. 3380 | 78% to 120% |
| 74. | Trimethoprim | Identification | IP 2018 Page. 3440 | Qualitative |
| | | Assay | IP 2018 Page. 3440 | 78.5% to 120.5% |
| 75. | Zinc Oxide | Identification | IP 2018 Page. 3541 | 0.05% to 20 % |
| | | Carbonate and substances Insoluble in Acids | IP 2018 Page. 3541 | Qualitative |
| | | Assay | IP 2018 Page. 3541 | 75% to 120% |
| 76. | Zinc Chloride | Identification | IP 2018 Page. 3539 | Qualitative |
| | | Ammonium Salts | IP 2018 Page. 3539 | Qualitative |
| | | Oxychlorides | IP 2018 Page. 3539 | Qualitative |
| | | Assay | IP 2018 Page. 3009-3010 | 75% to 120.5% |
| 77. | Zinc Sulphate | Identification | IP 2018 Page. 3543 | Qualitative |
| | | Assay | IP 2018 Page. 3543 | 79% to 124% |
| C. | Finished Products | | | |
| 1. | Albendazole Tablets | Assay | IP 2018, Page. 1170 | 92.5% to 107.5% |
| 2. | Aspirin Tablets | Assay | IP 2018, Page. 1277 | 95.0% to 105.0% |
| 3. | Metronidazole Tablets | Assay | IP 2018, Page. 2582 | 90% to 110% |
| 4. | Calcium Carbonate | Identification | IP 2018, Page. 2543 | Qualitative |
| | | Assay | IP 2018, Page. 1453 | 95.0% to 105.0% |
| 5. | Dapsone Tablets | Assay | IP 2018, Page. 1759 | 93.0% to 107% |

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| Sl. | Product / Material of Test | Specific Test Performed | Test Method Specification against which tests are performed | Range of Testing / Limits of Detection |
|-----|----------------------------|-------------------------|---|--|
| 6. | Frusemide Tablets | Identification | IP 2018, Page. 2135 | Qualitative |
| | | Assay | IP 2018, Page. 2135 | 90% to 110% |
| 7. | Paracetamol Tablets | Identification | IP 2018, Page. 2858 | Qualitative |
| | | Assay | IP 2018, Page. 2858 | 95% to 105% |
| 8. | Gels | | | |
| a. | Aluminum Hydroxide Gel | Assay | IP 2018, Page. 1186 | 3.5 to 4.4 |