

Laboratory	Fertiliser Control Laboratory, Department of Agriculture, Government of Maharashtra, Shahanoormiya Dargah Road, Jyotinagar, Aurangabad, Maharashtra		
Accreditation Standard	ISO/IEC 17025: 2005		
Discipline	Chemical Testing	Issue Date	17.07.2015
Certificate Number	T-1215	Valid Until	16.07.2017
Last Amended on	-	Page	1 of 9

S. No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
I.	FERTILIZERS			
1.	Ammonium Sulphate (20.6%)	Moisture	FCO: 1985 Sch. II-B As amended Upto november 2013	0.1 % to 10 %
		Ammoniacal Nitrogen		0.1 % to 30 %
		Sulphur (as S)		0.1 % to 28 %
2.	Urea (46% N)	Moisture	FCO: 1985 Sch. II-B As amended Upto november 2013	0.1 % to 10 %
		Total Nitrogen		0.1 % to 50 %
		Particle Size 4.0 & 2.0 mm and 2.8 & 1.0 mm IS Sieve		0.1 % to 100 %
3.	Calcium Ammonium Nitrate	Moisture	FCO: 1985 Sch. II-B As amended Upto november 2013	0.1 % to 10 %
		Total ammoniacal & nitrate nitrogen		0.1 % to 35 %
		Ammoniacal Nitrogen		0.1 % to 20 %
	Particle Size 4.0 & 1.0 mm IS Sieve	0.1 % to 100 %		
4.	Single Superphosphate (16%P₂O₅ Powdered)	Moisture	FCO: 1985 Sch. II-B As amended Upto november 2013	0.1 % to 20 %
		Free Phosphoric Acid (as P ₂ O ₅)		0.1 % to 10 %
		Neutral Ammonium Citrate Soluble P ₂ O ₅		0.1 % to 25 %

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Accreditation Standard	ISO/IEC 17025: 2005		
Discipline	Chemical Testing	Issue Date	17.07.2015
Certificate Number	T-1215	Valid Until	16.07.2017
Last Amended on	-	Page	2 of 9

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	Single Superphosphate (16% P₂O₅ Powdered)	Water Soluble P ₂ O ₅	FCO: 1985 Sch. II-B As amended Upto november 2013	0.1 % to 25 %
		Sulphur (as S)		0.1 % to 20 %
5.	Triple Superphosphate	Moisture	FCO: 1985 Sch. II-B As amended Upto november 2013	0.1 % to 20 %
		Free Phosphoric Acid		0.1 % to 10 %
		Total P ₂ O ₅		0.1 % to 50 %
		Water Soluble P ₂ O ₅		0.1 % to 50 %
6.	Single Superphosphate (16% P₂O₅ Granulated)	Moisture	FCO: 1985 Sch. II-B As amended Upto november 2013	0.1 % to 20 %
		Free Phosphoric Acid		0.1 % to 10 %
		Neutral Ammonium Citrate Soluble P ₂ O ₅		0.1 % to 25 %
		Water Soluble P ₂ O ₅		0.1 % to 25 %
		Particle Size 4.0 & 1.0 mm		0.1 % to 100 %
		Sulphur (as S)		0.1 % to 20 %
7.	Potassium Chloride (MOP)	Moisture	FCO: 1985 Sch. II-B As amended Upto november 2013	0.1 % to 10 %
		Water Soluble Potash as K ₂ O		0.1 % to 65 %
		Particle Size 1.75 & 0.25 mm		0.1 % to 100 %

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Accreditation Standard	ISO/IEC 17025: 2005		
Discipline	Chemical Testing	Issue Date	17.07.2015
Certificate Number	T-1215	Valid Until	16.07.2017
Last Amended on	-	Page	3 of 9

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8.	Potassium Sulphate (SOP)	Moisture	FCO: 1985 Sch. II-B As amended Upto november 2013	0.1 % to 10 %
		Water Soluble Potash as K ₂ O		0.1 % to 60 %
		Sulphur (as S)		0.1 % to 20 %
9.	Sulphur 90% (Powder)	Moisture	FCO: 1985 Sch. II-B As amended Upto november 2013	0.1 % to 10 %
		Total Sulphur (as S)		0.1 % to 92 %
10.	Sulphur 90% (Granular)	Moisture	FCO: 1985 Sch. II-B As amended Upto november 2013	0.1 % to 10 %
		Total Sulphur (as S)		0.1 % to 92 %
		Particle Size 4.0 & 1.0 mm		0.1 % to 100 %
11.	NP Complex Fertilisers	Moisture	FCO: 1985 Sch. II-B As amended Upto november 2013	0.1 % to 20 %
		Total Nitrogen		0.1 % to 40 %
		Ammoniacal Nitrogen		0.1 % to 35 %
		Nitrate Nitrogen		0.1 % to 35 %
		Urea Nitrogen		0.1 % to 20 %
		Total P ₂ O ₅		0.1 % to 60 %
Neutral Ammonium Citrate Soluble P ₂ O ₅	0.1 % to 60 %			

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Accreditation Standard	ISO/IEC 17025: 2005		
Discipline	Chemical Testing	Issue Date	17.07.2015
Certificate Number	T-1215	Valid Until	16.07.2017
Last Amended on	-	Page	4 of 9

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	NP Complex Fertilisers	Water Soluble P ₂ O ₅	FCO: 1985 Sch. II-B As amended Upto november 2013	0.1 % to 50 %
		Particle Size 4.0 mm & 1.0 mm		0.1 % to 100 %
		Total Sulphur (as S)		0.1 % to 20 %
		pH		1.0 to 14
12.	NPK Complex Fertilisers and Fortified Fertilisers	Moisture	FCO: 1985 Sch. II-B As amended Upto november 2013	0.1 % to 20 %
		Total Nitrogen		0.1 % to 40 %
		Ammoniacal Nitrogen		0.1 % to 35 %
		Nitrate Nitrogen		0.1 % to 35 %
		Urea Nitrogen		0.1 % to 50 %
		Neutral Ammonium Citrate Soluble P ₂ O ₅		0.1 % to 50 %
		Water Soluble P ₂ O ₅		0.1 % to 50 %
		Water Soluble potash as K ₂ O		0.1 % to 40 %
		Particle Size 4.0 & 1.0 mm		0.1 % to 100 %
		Particle Size 2.8 & 1.0 mm IS Sieve		0.1 % to 100 %
	Boron (as B)	0.01 % to 2.0 %		
	Zinc (as Zn)	0.01 % to 25.0 %		

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Accreditation Standard	ISO/IEC 17025: 2005		
Discipline	Chemical Testing	Issue Date	17.07.2015
Certificate Number	T-1215	Valid Until	16.07.2017
Last Amended on	-	Page	5 of 9

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	NPK Complex Fertilisers and Fortified Fertilisers	pH	FCO: 1985 Sch. II-B As amended Upto november 2013	1.0 to 14
		Free phosphoric acid (as P ₂ O ₅)		0.1 % to 10 %
		Sulphur (as S)		0.1 % to 20 %
13.	Zinc Sulphate Heptahydrate (ZnSO₄.7H₂O)	Zinc (as Zn)	FCO: 1985 Sch. II-B As amended Upto november 2013	0.01 % to 35.0 %
		Copper (as Cu)		0.01 % to 5.0 %
		Magnesium (as Mg)		0.01 % to 10.0 %
		pH		1.0 to 14
		Sulphur (as S)		0.1 % to 20 %
		Matter insoluble in water		0.1 % to 99 %
14.	Manganese Sulphate	Manganese (as Mn)	FCO: 1985 Sch. II-B As amended Upto november 2013	0.01 % to 40.0 %
		Copper (as Cu)		0.01 % to 5.0 %
		Magnesium (as Mg)		0.01 % to 10.0 %
		pH		1.0 to 14
		Sulphur (as S)		0.1 % to 20 %
		Matter insoluble in water		0.1 % to 99 %

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Accreditation Standard	ISO/IEC 17025: 2005		
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Certificate Number	T-1215	Valid Until	16.07.2017
Last Amended on	-	Page	6 of 9

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15.	Borax (Sodium Tetraborate) (Na₂B₄O₇.10H₂O)	Boron (as B)	FCO: 1985 Sch. II-B As amended Upto november 2013	0.01 % to 25.0 %
		pH		1.0 to 14
		Matter insoluble in water		0.1 % to 99 %
16.	Copper Sulphate (CuSO₄.5H₂O)	Copper (as Cu)	FCO: 1985 Sch. II-B As amended Upto november 2013	0.01 % to 30.0 %
		pH		1.0 to 14
		Sulphur (as S)		0.1 % to 20 %
		Matter insoluble in water		0.1 % to 99 %
17.	Ferrous Sulphate FeSO₄.7H₂O	Ferrous iron (as Fe)	FCO: 1985 Sch. II-B As amended Upto november 2013	0.01 % to 30.0 %
		pH		1.0 to 14
		Sulphur (as S)		0.1 % to 20 %
		Matter insoluble in water		0.1 % to 99 %
18.	Ammonium Molybdate (NH₄)₆Mo₇O₂₄.4H₂O	Molybdenum (as Mo)	FCO: 1985 Sch. II-B As amended Upto november 2013	0.1 % to 60.0 %
		Matter insoluble in water		0.1 % to 99 %
19.	Chelated Zinc as Zn-EDTA	Zinc as Zn in the form of Zn-EDTA	FCO: 1985 Sch. II-B As amended Upto november 2013	0.01 % to 20.0 %
		pH		1.0 to 14

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Accreditation Standard	ISO/IEC 17025: 2005		
Discipline	Chemical Testing	Issue Date	17.07.2015
Certificate Number	T-1215	Valid Until	16.07.2017
Last Amended on	-	Page	7 of 9

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20.	Chelated Iron as Fe-EDTA	Iron as Fe in the form of Fe-EDTA	FCO: 1985 Sch. II-B As amended Upto november 2013	0.01 % to 20.0 %
		pH		1.0 to 14
21.	Zinc Sulphate Monohydrate (ZnSO₄.H₂O)	Zinc (as Zn)	FCO: 1985 Sch. II-B As amended Upto november 2013	0.01 % to 35.0 %
		Copper (as Cu)		0.01 % to 5.0 %
		Magnesium (as Mg)		0.01 % to 10.0 %
		Iron (as Fe)		0.01 % to 10.0 %
		pH		1.0 to 14
		Sulphur (as S)		0.1 % to 20 %
		Matter insoluble in water		0.1 % to 99 %
22.	Magnesium Sulphate	Magnesium (as Mg)	FCO: 1985 Sch. II-B As amended Upto november 2013	0.01 % to 15.0 %
		pH		1.0 to 14
		Sulphur (as S)		0.1 % to 20 %
		Matter insoluble in water		0.1 % to 99 %
23.	Boric acid (H₃BO₃)	Boron (as B)	FCO: 1985 Sch. II-B As amended Upto november 2013	0.01 % to 25.0 %
		Matter insoluble in water		0.1 % to 99 %

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Discipline	Chemical Testing	Issue Date	17.07.2015
Certificate Number	T-1215	Valid Until	16.07.2017
Last Amended on	-	Page	8 of 9

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24.	Di-Sodium Octa Borate Tetra Hydrate (Na ₂ B ₈ O ₁₃ .4H ₂ O)	Boron (as B)	FCO: 1985 Sch. II-B As amended Upto november 2013	0.01 % to 25.0 %
		Matter insoluble in water		0.1 % to 99 %
25.	Di-Sodium Tetra Borate Penta Hydrate	Boron (as B)	FCO: 1985 Sch. II-B As amended Upto november 2013	0.01 % to 25.0 %
		Matter insoluble in water		0.1 % to 99 %
		Particle Size 5.0 & 1.4 mm		0.1 % to 100 %
26.	100% Water Soluble Complex Fertilisers	Moisture	FCO: 1985 Sch. II-B As amended Upto november 2013	0.1 % to 20 %
		Total Nitrogen		0.1 % to 40 %
		Nitrate Nitrogen		0.1 % to 35 %
		Ammoniacal Nitrogen		0.1 % to 35 %
		Urea Nitrogen		0.1 % to 20 %
		Water Soluble P ₂ O ₅		0.1 % to 70 %
		Water Soluble K ₂ O		0.1 % to 50 %
		Sodium (as NaCl)		0.01 % to 10 %
Total Chlorides (as Cl)		0.1 % to 10 %		
Magnesium (as MgO)		0.01 % to 25.0 %		
Sulphur (as S)		0.1 % to 25 %		

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Discipline	Chemical Testing	Issue Date	17.07.2015
Certificate Number	T-1215	Valid Until	16.07.2017
Last Amended on	-	Page	9 of 9

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	100% Water Soluble Complex Fertilisers	Water Soluble calcium	FCO: 1985 Sch. II-B As amended Upto november 2013	0.1 % to 25 %
		Matter insoluble in water		0.1 % to 99 %
27.	NPK Fertiliser Granulated Mixtures	Total Nitrogen	FCO: 1985 Sch. II-B As amended Upto november 2013	0.1 % to 30 %
		Total P ₂ O ₅		0.1 % to 40 %
		Neutral Ammonium Citrate Soluble P ₂ O ₅		0.1 % to 40 %
		Water Soluble P ₂ O ₅		0.1 % to 40 %
		Water Soluble K ₂ O		0.1 % to 35 %
		Particle size 5.6 & 1.0 mm IS Sieve		0.1 % to 100 %
28.	Mixtures of Micronutrient Fertilisers	Copper (as Cu)	FCO: 1985 Sch. II-B As amended Upto november 2013	0.01 % to 10.0 %
		Iron (as Fe)		0.01 % to 10.0 %
		Manganese (as Mn)		0.01 % to 10.0 %
		Zinc (as Zn)		0.01 % to 20.0 %
		Boron (as B)		0.01 % to 10.0 %
		Molybdenum (as Mo)		0.01 % to 1.0 %

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