

<b>Laboratory</b>	<b>Quality Control Laboratory, Jubilant Life Sciences Limited, Bhartiagram, Gajraula, Distt.: Amroha, Uttar Pradesh</b>		
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<b>S.No.</b>	<b>Product / Material of Test</b>	<b>Specific Test Performed</b>	<b>Test Method Specification against which tests are performed</b>	<b>Range of Testing / Limits of Detection</b>
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#### **I. DRUGS & PHARMACEUTICALS**

<b>1.</b>	<b>Acetic Acid</b>	Appearance	FPTO-001, Issue date: 08/05/2014	Colourless to pale yellow
		Colour	IS 8768-1988, (RA 2006)	5.0 to 200 HU.
		Crystallization point	IS 695-1986, (RA 2008)	14.0 to 16.4°C
		Formic acid	IS 695-1986, (RA 2008)	0.01 to 0.350%
		Acetaldehyde	ASTM D 2191-06, Page-104	0.0005 to 0.10%
		Acetic Acid content	BS 576 (Part 2)- 1988	98.5 to 99.99%
		Water Content	IS 2362-1993, (RA 2010)	0.010 to 2.0%
		Chloride	IS 695-1986, (RA 2008)	Pass / Fail (Qualitative)
		Sulphate	IS 695-1986, (RA 2008)	Pass / Fail (Qualitative)
		Heavy Metal	IS 695-1986, (RA 2008)	Pass / Fail (Qualitative)
		Iron Content	IS 695-1986, (RA 2008)	Pass / Fail (Qualitative)

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2.	Acetic Anhydride	Appearance	FPTO-001, Issue date: 08/05/2014	Colourless to pale yellow
		Colour	IS 8768-1988, (RA 2006)	5.0 to 200 HU
		Reducing Substances	IS 1235-1988, (RA 2005)	Pass / Fail (Qualitative)
		Chloride	IS 1235-1988, (RA 2005)	Pass / Fail (Qualitative)
		Sulphate	IS 1235-1988, (RA 2005)	Pass / Fail (Qualitative)
		Purity	FPTO-021, Issue date: 01/10/13	0.25 to 99.99%
3.	Ethyl Acetate	Appearance	FPTO-001, Issue date: 08/05/2014	Colourless to pale yellow
		Colour	IS 8768-1988, (RA 2006)	5.0 to 200 HU
		Odour	FPTO-013, Issue date: 01/10/13	Pass / Fail (Qualitative)
		Moisture	IS 2362-1993, (RA 2010)	0.01 to 2.0%
		Acidity	IS 229-1993, (RA 2007)	10 to 5000 ppm
		Purity	FPTO-027, Issue date: 01/10/13	0.25 to 99.99%

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<b>4.</b>	<b>Vinyl Acetate Monomer</b>	Appearance	FPTO-001, Issue date: 08/05/2014	Colourless to pale yellow
		Acidity w/w	ASTM D 2086-03, Page-97	20 to 5000 ppm
		Aldehyde (as acetaldehyde)	RMTO-020, Issue date: 01/10/13	0.00075 to 1.0%
		Acetone	RMTO-020, Issue date: 01/10/13	0.00075 to 1.0%
		Methyl acetate	RMTO-020, Issue date: 01/10/13	0.00075 to 1.0%
		Ethyl acetate	RMTO-020, Issue date: 01/10/13	0.00075 to 1.0%
		Moisture	IS 2362-1993 (RA 2010)	0.0010 to 2.0%
		Vinyl acetate monomer	RMTO-020, Issue date: 01/10/13	0.025 to 99.99%
		Inhibitor content	ASTM D 2193-06, Page-111	2.0 to 30.0 ppm
<b>5.</b>	<b>Formaldehyde- 37%</b>	Appearance	FPTO-001, Issue date: 08/05/2014	Colourless to pale yellow
		Colour (Pt-Co scale)	IS 8768-1988, (RA 2006)	5 to 200 HU
		Acidity as formic acid	IS 3321-1973, (RA 2006)	0.0010 to 0.50%
		Aldehyde content as HCHO	IS 3321-1973, (RA 2006)	30.0 to 50.0%
		Methanol	IS 3321-1973, (RA 2006)	1.0 to 10.0%

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<b>6.</b>	<b>Pyridine 1°</b>	Appearance	FPTO-001, Issue date: 08/05/2014	Colourless to pale yellow
		Solubility	USP-34, Page-994	Pass / Fail (Qualitative)
		Moisture	IS 2362:1993, (RA 2010)	0.0010 to 2.0%
		Colour	IS 8768-1988, (RA 2006)	5 to 200 HU
		Purity	FPTO-050, Issue date: 01/10/13	0.03 to 100%
		Identification (By IR)	BP-2012 (Appendix IIA)	Pass / Fail (Qualitative)
		Strong Bases (as piperidine)	FPTO-038, Issue date: 01/10/13	0.0004 to 0.03%
<b>7.</b>	<b>Carbon dioxide (Liquid)</b>	Purity	ISBT (Procedure-2.0) (2 <sup>nd</sup> Revision-30.11.10)	99.00 to 99.99%
		Moisture	ISBT (Procedure-3.0) (2 <sup>nd</sup> Revision-30.11.10)	3.0 to 140 ppm
		Nitrose gases	ISBT (Procedure-7.0) (2 <sup>nd</sup> Revision-30.11.10)	0.5 to 500 ppm
		Appearance in water	ISBT (Procedure-16) (2 <sup>nd</sup> Revision-30.11.10)	Pass / Fail (Qualitative)

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	<b>Carbon dioxide (Liquid)</b>	Odour (as such)	ISBT (Procedure-15.0) (2 <sup>nd</sup> Revision-30.11.10)	Pass / Fail (Qualitative)
		Taste & Odour (in water)	ISBT (Procedure-16.0) (2 <sup>nd</sup> Revision-30.11.10)	Pass / Fail (Qualitative)
<b>8.</b>	<b>Pyridine ACS</b>	Appearance	FPTO-001, Issue date: 08/05/2014	Colourless to pale yellow
		Colour	IS 8768-1988, (RA 2006)	5 to 200 HU
		Water solubility	USP-34, Page-994	Pass / Fail (Qualitative)
		Moisture content	IS 2362:1993, (RA 2010)	0.0050 to 2.0%
		Purity	FPTO-050, Issue date: 01/10/13	0.03 to 100%
		Chlorides	USP-34, Page-131	Pass / Fail (Qualitative)
		Sulphates	USP-34, Page-131	Pass / Fail (Qualitative)
		Ammonia (as NH <sub>3</sub> )	FPTO-034, Issue date: 20/08/11	0.0005 to 0.010%
		Residue on evaporation	FPTO-322, Issue date: 01/10/13	0.0005 to 0.100%
		Reducing substances (permanent colour persist for 30 minutes)	IS 8058:1976, (RA 2006)	Pass / Fail (Qualitative)

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<b>9.</b>	<b>Beta Picoline</b>	Appearance	FPTO-001, Issue date: 08/05/2014	Colourless to pale yellow
		Solubility	USP-34, Page-994	Pass / Fail (Qualitative)
		Moisture content	IS 2362:1993, (RA 2010)	0.0050 to 2.0%
		Purity	FPTO-049, Issue date: 06/02/10	0.0017 to 100%
		Gamma picoline	FPTO-049, Issue date: 01/10/13	0.062 to 1.0%
		2- Ethyl pyridine	FPTO-049, Issue date: 01/10/13	0.048 to 1.0%
		Alpha picoline	FPTO-049, Issue date: 01/10/13	0.043 to 1.0%
<b>10.</b>	<b>Alpha Picoline</b>	3,5-Lutidine	FPTO-049, Issue date: 01/10/13	0.005 to 1.0%
		Appearance	FPTO-001, Issue date: 08/05/2014	Colourless to pale yellow
		Solubility	USP-34, Page-994	Pass / Fail (Qualitative)
		Moisture content	IS 2362:1993, (RA 2010)	0.0050 to 2.0%
		Purity	FPTO-051, Issue date: 01/10/13	0.043 to 100%

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<b>11.</b>	<b>Gamma Picoline</b>	Appearance	FPTO-001, Issue date: 08/05/2014	Colourless to pale yellow
		Solubility	USP-34, Page-994	Pass / Fail (Qualitative)
		Moisture Content	IS 2362:1993, (RA 2010)	0.0050 to 2.0%
		Purity	FPTO-048, Issue date: 01/10/13	0.062 to 100%
<b>12.</b>	<b>Isonipectic Acid</b>	Description	FPTO-001, Issue date: 08/05/2014	White to pale yellow
		Solubility	USP-34, Page-994	Pass / Fail (Qualitative)
		Loss on drying	IP-2010, P-139	0.05 to 2.0%
		Assay By Chemical	FPTO-092, Issue date: 01/10/13	80.0 to 102%
<b>13.</b>	<b>3-Cyanopyridine</b>	Appearance	FPTO-001, Issue date: 08/05/2014	White to pale yellow
		Solubility	USP-34, Page-994	Pass / Fail (Qualitative)
		Moisture	IS 2362:1993, (RA 2010)	0.0050 to 2.0%
		Melting Range	IP-2010, P-140	40 to 100°C
		Purity	FPTO-054, Issue date: 01/10/13	5.0 to 99.99%
		4-Cyanopyridine	FPTO-054, Issue date: 01/10/13	0.01 to 1.0%

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<b>14.</b>	<b>Pyridine Hydrobromide</b>	Appearance	FPTO-001, Issue date: 08/05/2014	White to pale yellow
		Solubility	USP-34, Page-994	Pass / Fail (Qualitative)
		pH of 5% aqueous solution	ASTM E 70-07, Page-348 (Re-approved 2002)	1.0 to 13.0
		Water Content	IS 2362:1993, (RA 2010)	0.0010 to 2.0%
		Free Pyridine	FPTO-087, Issue date: 01/10/13	0.050 to 1.0%
		Assay By Chemical	FPTO-039, Issue date: 01/10/13	80.0 to 102%
<b>15.</b>	<b>Pyridine Hydrochloride</b>	Appearance	FPTO-001, Issue date: 08/05/2014	White to pale yellow
		Solubility	USP-34, Page-994	Pass / Fail (Qualitative)
		pH of 5% aqueous solution	ASTM E 70-07, Page-348 (Re-approved 2002)	1.0 to 13.0
		Water Content	IS 2362:1993, (RA 2010)	0.0050 to 2.0%
		Free Pyridine	FPTO-087, Issue date: 01/10/13	0.02 to 5.0%
		Assay By Chemical	FPTO-040, Issue date: 01/10/13	80.0 to 102%



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<b>16.</b>	<b>Niacin</b>	Description	USP-34, Page-994	White to pale yellow
		Solubility	USP-34, Page-994	Pass / Fail (Qualitative)
		Assay by UV	USP-34, Page-3694	90 to 102%
		Identification By IR	USP-34, <197M>	Pass / Fail (Qualitative)
		Identification By UV	USP-34, <197U>	Pass / Fail (Qualitative)
		Loss on drying	USP-34, <731>	0.050 to 2.0%
		Residue on Ignition	USP-34, <281>	0.02 to 1.0%
		Chloride	USP-34, <221>	Pass / Fail (Qualitative)
		Sulphate	USP-34, <221>	Pass / Fail (Qualitative)
<b>17.</b>	<b>Niacinamide</b>	Description	USP-34, Page 994	White to pale yellow
		Solubility	USP-34, Page-994	Pass / Fail (Qualitative)
		Assay	USP-34, Page-3651	80 to 102%
		Melting range	USP-34, <741>	40 to 200°C
		Identification By IR	USP-34, <197K>	Pass / Fail (Qualitative)
		Identification By UV	USP-34, <197U>	Pass / Fail (Qualitative)
		Loss on Drying	USP-34, <731>	0.05 to 1.0%
		Residue on Ignition	USP-34, <281>	0.01 to 1.0%

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<b>18.</b>	<b>4-(Dimethyl amino) pyridine</b>	Appearance	FPTO-001, Issue date: 08/05/2014	White to pale yellow
		Melting range	IP-2010, P-140	40 to 200°C
		Water content	IS 2362:1993, (RA 2010)	0.0010 to 2.0%
		Purity	FPTO-062, Issue date: 01/10/13	0.025 to 100%
		Assay by Chemical method	FPTO-140, Issue date: 01/10/13	80.0 to 102.0%
		Identification By IR	BP-2012 (Appendix IIA)	Pass / Fail (Qualitative)
<b>19.</b>	<b>2-Aminopyridine</b>	Appearance	FPTO-001, Issue date: 08/05/2014	White to pale yellow
		Solubility	USP-34, Page-994	Pass / Fail (Qualitative)
		Identification by GC	FPTO-056, Issue date: 01/10/13	Pass / Fail (Qualitative)
		Identification By IR	BP-2012, (Appendix IIA)	Pass / Fail (Qualitative)
		Melting range	IP2010, P-140	40 to 200°C
		Water Content	IS 2362:1993, (RA 2010)	0.0050 to 2.0%
		Assay	FPTO-080,, Issue date: 01/10/13	80.0 to 102.0%
		Purity	FPTO-056, , Issue date: 01/10/13	0.025 to 100%
		Sulphated ash	BP-2011 (Appendix IX A)	0.04 to 5.0%
		3-Amino pyridine	FPTO-056,, Issue date: 01/10/13	0.025 to 1.0%
		4-Amino pyridine	FPTO-056,, Issue date: 01/10/13	0.025 to 1.0%
		Residue on Ignition	IP-2010, Page-140	0.005 to 5.0%

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<b>20.</b>	<b>Piperidine</b>	Appearance	FPTO-001, Issue date: 08/05/2014	Colourless to pale yellow
		Colour	IS 8768-1988, (RA 2006)	5 to 200 HU
		Solubility	USP-34, Page-994	Pass / Fail (Qualitative)
		Specific gravity	IP-2010, Page-174	0.70 to 1.0
		Water Content	IS 2362:1993, (RA 2010)	0.0010 to 2.0%
		Purity	FPTO-059,, Issue date: 01/10/13	0.025 to 99.99%
		Pyridine	FPTO-059,, Issue date: 01/10/13	0.0025 to 1.0%
<b>21.</b>	<b>Picolinic acid</b>	Appearance	USP-34, Page-994	White to pale yellow
		Solubility	USP-34, Page-994	Pass / Fail (Qualitative)
		Melting Range	IP-2010, Page-140	40 to 200°C
		Sulphated ash	BP-2012(Appendix IX A)	0.01 to 5.0%
		Water Content	IS 2362:1993, (RA 2010)	0.0010 to 2.0%
		Assay	FPTO-064,, Issue date: 01/10/13	80.0 to 100%

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<b>22.</b>	<b>2-Amino-4-Methyl pyridine</b>	Appearance	FPTO-001, Issue date: 08/05/2014	White to pale yellow
		Identification by IR	BP-2012 (Appendix II A)	Pass / Fail (Qualitative)
		Water Content	IS 2362:1993, (RA 2010)	0.0050 to 2.0%
		Melting Range	IP-2010, Page-140	40 to 200°C
		Assay by chemical method	FPTO-086, Issue date: 01/10/13	5.0 to 102.0%
<b>23.</b>	<b>2-Amino-5-Methyl pyridine</b>	Purity	FPTO-058, Issue date: 01/10/13	0.025 to 100%
		Appearance	FPTO-001, Issue date: 08/05/2014	White to pale yellow
		Water Content	IS 2362:1993, (RA 2010)	0.005 to 2.0%
		Purity	FPTO-074, Issue date: 01/10/13	5.0 to 100%
		Assay, by chemical method	FPTO-075, Issue date: 01/10/13	80.0 to 102.0%
		Melting range	IP-2010, Page-140	40 to 200°C
		Identification by GC	FPTO-074, Issue date: 01/10/13	Pass / Fail (Qualitative)
		Identification by IR	BP-2012 (Appendix II A)	Pass / Fail (Qualitative)

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<b>24.</b>	<b>2-Amino-6-Methyl Pyridine</b>	Appearance	FPTO-001, Issue date: 08/05/2014	White to pale yellow
		Identification by IR	BP-2012(Appendix II A)	Pass / Fail (Qualitative)
		Water Content	IS 2362:1993, (RA 2010)	0.005 to 2.0%
		Assay, by Chemical method	FPTO-085, Issue date: 01/10/13	80.0 to 102.0%
		Purity	FPTO-057, Issue date: 01/10/13	0.025 to 100%
<b>25.</b>	<b>3-Acetyl Pyridine</b>	Appearance	FPTO-001, Issue date: 08/05/2014	Colourless to yellow
		Identification by IR	BP-2012(Appendix II A)	Pass / Fail (Qualitative)
		Boiling Range	IS : 5298-1983, (RA 2006)	100 to 250°C
		Water Content	IS 2362:1993, (RA 2010)	0.005 to 2.0%
		Purity	FPTO-061, Issue date: 01/10/13	0.025 to 100%
		4-Acetyl pyridine	FPTO-061, Issue date: 01/10/13	0.001 to 1.0%
		2-Acetyl pyridine	FPTO-061, Issue date: 01/10/13	0.001 to 1.0%
		Toluene	FPTO-061, Issue date: 01/10/13	0.001 to 1.0%
		Total impurities	FPTO-061, Issue date: 01/10/13	0.001 to 1.0%

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<b>26.</b>	<b>3,5-Dimethyl piperidine</b>	Appearance	FPTO-001, Issue date: 08/05/2014	Colourless to yellow
		Water Content	IS 2362:1993, (RA 2010)	0.005 to 2.0%
		Specific gravity	IP-2010, Page-174	0.70 to 1.0
		Purity	FPTO-060, Issue date: 01/10/13	0.025 to 100%
		a) Cis Isomer	FPTO-060, Issue date: 01/10/13	70.0 to 95.0%
		b) Trans Isomer	FPTO-060, Issue date: 01/10/13	5 to 30%
<b>27.</b>	<b>3-(Amino methyl) pyridine</b>	Appearance	FPTO-001, Issue date: 08/05/2014	Colourless to yellow
		Moisture	IS 2362:1993, (RA 2010)	0.005 to 2.0%
		Purity	FPTO-120, Issue date: 01/10/13	0.025 to 100%
<b>28.</b>	<b>3-Pyridyl acetic acid</b>	Description	FPTO-001, Issue date: 08/05/2014	White to yellow
		Identification by HPLC	FPTO-155, Issue date: 01/10/13	Pass / Fail (Qualitative)
		Loss on drying	IP-2010, Page-139	0.05 to 2.0%
		Purity	FPTO-155, Issue date: 01/08/11	5.0 to 100%
		Assay	FPTO-155, Issue date: 01/08/11	5.0 to 100%
		Single known impurity	FPTO-155, Issue date: 01/08/11	0.001 to 1.0%

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<b>29.</b>	<b>2-(Amino methyl) pyridine</b>	Appearance	FPTO-001, Issue date: 08/05/2014	White to yellow
		Moisture	IS 2362:1993, (RA 2010)	0.0010 to 2.0%
		Purity	FPTO-159, Issue date: 01/10/13	0.025 to 100%
<b>30.</b>	<b>2,3,5 Collidine</b>	Appearance	FPTO-001, Issue date: 08/05/2014	Clear colourless to yellow liquid
		Moisture	IS 2362:1993, (RA 2010)	0.005 to 2.0%
		Purity	FPTO-047, Issue date: 01/10/13	0.03 to 100%
		Refractive Index	IP-2010, Page-171	1.32 to 1.70
<b>31.</b>	<b>5-Methyl Nicotinic Acid</b>	Appearance	FPTO-001, Issue date: 08/05/2014	White to pale yellow
		Moisture	IS 2362:1993 (RA 2010)	0.0050 to 2.0%
		Loss on drying	IP-2010, Page-139	0.05 to 2.0%
		Purity by HPLC	FPTO-190, Issue date: 01/10/13	5.0 to 100%
		Melting range	IP-2010, Page-140	40 to 300°C
		Assay	FPTO-197, Issue date: 01/10/13	5.0 to 100%
		Sulphated ash	BP-2012 (Appendix IX A)	0.01 to 5.0%
		Total related impurities	FPTO-190, Issue date: 01/10/13	0.10 to 2.0%
		Dinicotinic acid	FPTO-190, Issue date: 01/10/13	0.00015 to 1.0%
		Nicotinic acid	FPTO-190, Issue date: 01/10/13	0.00015 to 1.0%
		Unknown individual impurity	FPTO-190, Issue date: 01/10/13	0.005 to 1.0%

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<b>32.</b>	<b>Cetyl pyridinium Chloride monohydrate</b>	Appearance	FPTO-001, Issue date: 08/05/2014	White to pale yellow
		Identification by IR	USP-34, <197K>	Pass / Fail (Qualitative)
		Identification by UV	USP-34, <197U>	Pass / Fail (Qualitative)
		Moisture	USP-34, <921>	0.005 to 6.0%
		Melting range	IP-2010, Page-140	40 to 200°C
		Pyridine	FPTO-267, Issue date: 01/10/13	0.5 to 120 ppm
		Heavy metals	USP-34, Method II <231>	Pass / Fail (Qualitative)
		Residue on ignition	IP-2010, Page-140	0.010 to 5.0%
		Acidity	USP-34, Page-2275	Pass / Fail
		Assay by chemical method	USP-34, Page-2275	80.0 to 102%
		Appearance of 1% solution in water	Ph.Eur 7.0, Page-1649	Pass / Fail (Qualitative)
		Appearance of 40% soln in PEG	FPTO-268, Issue date: 01/10/13	Pass / Fail (Qualitative)



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<b>33.</b>	<b>2,4 6 Collidine</b>	Appearance	FPTO-001, Issue date: 08/05/2014	Colourless to pale yellow
		Water content	IS 2362:1993, (RA 2010)	0.0050 to 2.0%
		Purity	FPTO-046, Issue date: 01/10/13	0.03 to 100%
		Refractive index	IP-2010, Page-171	1.32 to 1.70
		Identification(By IR)	BP-2012(Appendix II A)	Pass / Fail (Qualitative)
<b>34.</b>	<b>2,3-Lutidine</b>	Appearance	FPTO-001, Issue date: 08/05/2014	Colourless pale yellow
		Water content	IS 2362:1993, (RA 2010)	0.005 to 2.0%
		Purity	FPTO-042, Issue date: 16/09/11	0.098 to 100%
<b>35.</b>	<b>2,4-Lutidine</b>	Appearance	FPTO-001, Issue date: 08/05/2014	Colourless to pale yellow
		Water content	IS 2362:1993, (RA 2010)	0.0050 to 2.0%
		Purity	FPTO-072, Issue date: 01/10/13	0.098 to 100%
<b>36.</b>	<b>2,5-Lutidine</b>	Appearance	FPTO-001, Issue date: 08/05/2014	Colourless to yellow
		Water content	IS 2362:1993, (RA 2010)	0.0050 to 2.0%
		Purity	FPTO-073, Issue date: 01/10/13	0.39 to 100%
		Specific gravity	IP-2010, Page-174	0.80 to 1.0

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<b>37.</b>	<b>2,6 Lutidine</b>	Appearance	FPTO-001, Issue date: 08/05/2014	Colourless to yellow liquid
		Water content	IS 2362:1993, (RA 2010)	0.0050 to 2.0%
		Purity	FPTO-041, Issue date: 01/10/13	0.23 to 100%
		Identification(By IR)	BP-2012(Appendix II A)	Pass / Fail (Qualitative)
		Colour	IS 8768-1988, (RA 2006)	5 to 200 HU
		Solubility	USP-34, Page-994	Pass / Fail
<b>38.</b>	<b>3,4 Lutidine</b>	Appearance	FPTO-001, Issue date: 08/05/2014	Colourless to yellow
		Water content	IS 2362:1993, (RA 2010)	0.0050 to 2.0%
		Purity	FPTO-044, Issue date: 01/10/13	0.20 to 100%
		Solubility	USP-34, Page-994	Pass / Fail (Qualitative)
		Weight / ml	IP-2010, Page-174	0.800 to 1.100
		Refractive Index	IP-2010, Page-171	1.32 to 1.70

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<b>39.</b>	<b>3,5-Lutidine</b>	Appearance	FPTO-001, Issue date: 08/05/2014	Colourless to yellow
		Water content	IS 2362:1993, (RA 2010)	0.005 to 2.0%
		Purity	FPTO-043, Issue date: 16/09/11	0.19 to 100%
<b>40.</b>	<b>2,3,5- Trichloropyridine</b>	Appearance	FPTO-001, Issue date: 08/05/2014	Pale yellow to Light brown
		Water content	IS 2362:1993, (RA 2010)	0.0010 to 2.0%
		Identification(by GC)	FPTO-169, Issue date: 01/10/13	Pass / Fail (Qualitative)
		Purity by GC	FPTO-169, Issue date: 01/10/13	0.025 to 99.99%
		3,5-Di chloro pyridine-2-ol	FPTO-169, Issue date: 01/10/13	0.0025 to 2.0%
		2,5-Di chloro pyridine	FPTO-169, Issue date: 01/10/13	0.0025 to 2.0%
		2,3-Di chloro pyridine	FPTO-169, Issue date: 01/10/13	0.0025 to 2.0%
		2,3-Di chloro-N-N-DMAP	FPTO-169, Issue date: 01/10/13	0.0025 to 3.0%
		Additional organic by product	FPTO-169, Issue date: 01/10/13	0.01 to 2.0%
		any single impurity	FPTO-169, Issue date: 01/10/13	0.01 to 2.0%
		Content of Toluene	FPTO-169, Issue date: 01/10/13	0.0025 to 2.0%

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<b>41.</b>	<b>2-Pyridine Carboxaldehyde</b>	Appearance	FPTO-001, Issue date: 08/05/2014	Grey to dark brownish
		Water content	IS 2362:1993, (RA 2010)	0.005 to 2.0%
		Solubility	USP-34, Page-994	Pass / Fail (Qualitative)
		Density	IP-2010, Page-174	1.0 to 1.5
		Refractive Index	IP-2010, Page-171	1.32 to 1.70
		Acidity	FPTO-170, Issue date: 01/10/13	0.05 to 2.0%
		Purity	FPTO-161, Issue date: 01/10/13	0.025 to 100%
		Assay	FPTO-222, Issue date: 01/10/13	80.0 to 102%
		4-Pyridinecarboxaldehyde	FPTO-161, Issue date: 01/10/13	0.0025 to 1.0%
		3-Pyridinecarboxaldehyde	FPTO-161, Issue date: 01/10/13	0.0025 to 1.0%
<b>42.</b>	<b>Azacyclonol</b>	Appearance	FPTO-001, Issue date: 08/05/2014	White to off white crystalline powder
		Identification (By IR)	BP-2012(Appendix II A)	Pass / Fail (Qualitative)
		Melting range	IP-2010, Page-140	40 to 200°C
		Purity	FPTO-148, Issue date: 01/10/13	0.0025 to 100%
		Assay	FPTO-150, Issue date: 01/10/13	80.0 to 105.0%

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<b>43.</b>	<b>Azacyclonol</b>	Residual solvent		
		Methanol	FPTO-256, Issue date: 01/10/13	0.001 to 0.5%
		Toluene	FPTO-256, Issue date: 01/10/13	10 to 1000 ppm
		Iso propyl alcohol	FPTO-256, Issue date: 01/10/13	0.001 to 0.2%
	<b>5-Chloro-2,3- difluoro pyridine (CDFP)</b>	Appearance	FPTO-001, Issue date: 08/05/2014	Clear colorless to yellowish liquid
		Identification	FPTO-272, Issue date: 01/10/13	Pass / Fail (Qualitative)
		Chromatographic Purity	FPTO-272, Issue date: 01/10/13	2 to 100%
		Organic by products		
		3-Chloro-2,5-Difluoro pyridine	FPTO-272, Issue date: 01/10/13	0.10 to 15.0%
		Additional organic Byproducts	FPTO-272, Issue date: 01/10/13	0.10 to 15.0%
		No. of additional organic byproducts $\leq 1.0\%$	FPTO-272, Issue date: 01/10/13	0.01 to 1.0%
		Solvent as methyl benzene	FPTO-272, Issue date: 01/10/13	0.05 to 10.0%
		Additives contents of fluoride	FPTO-273, Issue date: 01/10/13	5.0 to 1000 ppm

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