



DEEPAK FERTILISERS & PETROCHEMICALS CORPORATION LIMITED.

Address :Plot K1-K6 MIDC Industrial Area, Talaja, A.V.410 208.

Dist.:Raigad, Maharashtra (India)

Tel: 91-22-5068 4570 Fax: 91- 22-27412413

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ISO CERTIFICATION 9001 : 2015							
QUALITY CONTROL DEPARTMENT							
CERTIFICATE OF ANALYSIS							
ISOPROPYL ALCOHOL BP							
Specification No.:-		DFPCL/GMP/QC/SPE/FP/001		A.R.No.:-		DFPCL/T-606/23/293	
Batch No.:-		IPA/T-606/2023/293		Mfg. Date.:-		07/12/2023	
Date of Recd.:-		08/12/2023		Date of Analysis:-		08/12/2023	
Date of Issue:-		08/12/2023		Expiry Date:-		3 years from Date of Mfg.	
Sr. No	Characteristics	Test Procedure	Equivalent to	UOM	Specification		Result
					Min.	Max	
1	Description/Appearance	Visual	BP	NA	Clear colourless liquid.		Complies
2	Solubility	Visual	BP	---	Miscible with water and with ethanol (96%).		Complies
3	Appearance of solution	Visual	BP	---	a) the solution is clear and colourless b) sample (1 in 20) is clear after 5 min , compare to B9		Complies
4	A) Identification by FTIR	FTIR	BP	NA	The transmission minima (absorption maxima) in the spectrum obtained with the sample correspond in position and relative size to those in the spectrum obtained with the reference substance. (Isopropyl Alcohol CRS / WS).		Complies
5	C) Relative Density at 20°C.	Sp.gravity bottle	BP	gm/ml	0.7850	0.7890	0.786
6	D) Refractive index @ 20°C.	Refractometer	BP	---	1.3760	1.3790	1.377
7	G) Chemical test	Visual	BP	NA	Colour changes to violet		Complies
8	Non volatile substance	Gravimetric	BP	ppm	NMT 20 ppm		10
9	Acidity or alkalinity	Titration	BP	ml	NMT 0.6 ml of 0.01M Sodium Hydroxide is required to change the colour of the indicator to pale pink.		0.5
10	UV Absorbance @ 230 nm	Spectrophotometry	BP	nm	NMT 0.30 at 230 nm		0.072
11	UV Absorbance @ 250 nm	Spectrophotometry	BP	nm	NMT 0.10 at 250 nm		0.005
12	UV Absorbance @ 270 nm	Spectrophotometry	BP	nm	NMT 0.03 at 270 nm		- 0.008
13	UV Absorbance @ 290 nm	Spectrophotometry	BP	nm	NMT 0.02 at 290 nm		- 0.009
14	UV Absorbance @ 310 nm	Spectrophotometry	BP	nm	NMT 0.01 at 310 nm		- 0.008

Shrirang Kulkarni
Analysed By

Anil Mahadik
Approved By

Corporate Office:

Sai Hira, Survey No. 93, Mundhwa, Pune- 411 036

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Sr. No	Characteristics	Test Procedure	Equivalent to	UOM	Specification		Result
					Min.	Max	
15	Benzene and related substances Benzene	GC	BP	ppm	0.0000	2.0000	Not Detected
16	Benzene and related substances total impurities apart from 2-Butanol	GC	BP	%	0.0000	0.3000	0.06
17	Peroxide	Visual	BP	---	Test no colour develops.		Complies
18	Water	Karl fisher	BP	%w/w	0.0000	0.5000	0.04
19	Residual Solvents(a) n-Propyl alcohol	GC	BP	%v/v	n-Propyl alcohol NMT 0.1%		0.06
20	Residual Solvents(b) Cyclohexane	GC	BP	%v/v	Cyclohexane NMT 0.005%		0.0011
Remark: Material complies as per above specification							

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