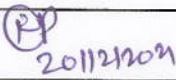
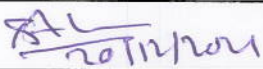
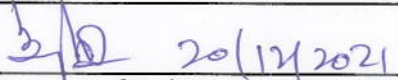
					
Deepak Fertilisers and Petrochemicals Corporation Limited, Taloja, Maharashtra, India K1					
Finish Product Specification					
Title	ISO PROPYL ALCOHOL BP/Ph.Eur.		DC No.	QA/FP/SPE/IPA/03	
Chemical formula	C3H8O	Mol. Wt.	60.1	CAS No:	67-63-0
Issue Date	20/12/2021		Review Date	19/12/2023	
Unit	DFPCL, K2-K6		Version	2.3	
S. No.	Characteristics	UOM	Specification		
1	Appearance	-	Clear colourless liquid .		
2	Solubility	-	Miscible with water and with ethanol (96%) .		
3	Identification - A	-	Relative density is between 0.785 to 0.789		
4	Identification - B	-	Refractive index is between 1.376 to 1.379		
5	Identification - C	-	IR spectrum of sample exhibits maxima at the same wavelength as that of a similar preparation of IPA ref.std.or working std		
6	Identification - D	-	To1 ml add 4 ml of water and mix.Carefully add 2 ml of 10 g/l sol.of dimethylaminobenzaldehyde in sulphuric acid ensuring that the liq do not mix;a bright reddish-violet ring forms immediately at the junction of the 2 liq.After 2-5 mins,the entire sulphuric acid layers turns violet		
7	Appearance	-	The substance to be examined is clear and colourless.Sample in water (1:20) is clear after 5 minutes.		
8	Acidity or Alkalinity	ml	NMT 0.6 ml of 0.01 M Sodium Hydroxide is required to change the colour of the indicator to pale pink.		
9	Absorbance , maximum	-	At 230 nm is 0.30		
		-	At 250 nm is 0.10		
		-	At 270 nm is 0.03		
		-	At 290 nm is 0.02		
		-	At 310 nm is 0.01		
Prepared by	Checked by		Approved by		
 20/12/2021	 20/12/2021		 20/12/2021		
Manager-QA	AGM-QA		GM-QA		



Deepak Fertilisers and Petrochemicals Corporation Limited, Taloja, Maharashtra, India K1

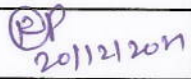
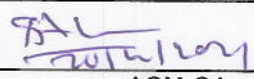
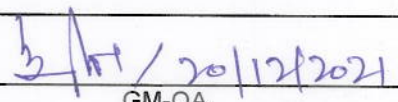
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Title	ISO PROPYL ALCOHOL BP/Ph.Eur.	DC No.	QA/FP/SPE/IPA/03
Chemical formula	C3H8O	Mol. Wt.	60.1
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		Version	2.3

S. No.	Characteristics	UOM	Specification
10	Benzene and related substances		Test solution (a) not more than 0.5 times the area of the corresponding peak in the chromatogram obtained with reference solution (b) (≤ 2 ppm)
		%v/v	Total impurities apart from 2-Butanol NMT 0.3
11	Peroxides	-	No colour develops .
12	Non- volatile substances , maximum	mg	2 (20 ppm)
13	Water , maximum	%w/w	0.5
	Inhouse test		
1	Residual Solvents	%w/w	1-Propanol NMT 0.2%
		%w/w	Cyclohexane NMT 0.005%

Reference: British /Ph . Eur Pharmacopeia

DC No. Document Control Number
 FP Finish Product
 UOM Unit of measurement
 w/w Weight by weight
 NMT Not more than

Prepared by	Checked by	Approved by
 20/12/2021	 20/12/2021	 20/12/2021
Manager-QA	AGM-QA	GM-QA