

					
Deepak Fertilisers and Petrochemicals Corporation Limited, Talaja, Maharashtra, India K1					
Finish Product Specification					
Title		ISO PROPYL ALCOHOL U.S.P		DC No.	QA/FP/SPE/IPA/02
Chemical formula	C3H8O	Mol. Wt.	60.1	CAS No:	67-63-0
Issue Date	26/02/2018		Review Date	25/02/2019	
Unit	DFPCL, K1		Version	2.0	
S. No.	Characteristics	UOM	Specification		
1	Description	-	Clear colourless liquid with characteristic odour.		
2	Identification by GC RT	-	The R.T of major peak of the sample solution corresponds to the 2-propanol peak of the system suitability solution, as obtained in the Assay.		
3	Identification by FTIR	-	IR spectrum of the sample exhibits maxima at the same wavelength as that of a similar preparation of USP IPA ref.std.or workig std		
4	Specific gravity at 25 °C	-	0.783 to 0.787		
5	Refractive index at 20 °c.	-	1.376 to 1.378		
6	Acidity , maximum	ml	0.7 ml of 0.02 N Sodium Hydroxide (required for neutralisation of 50 ml sample)		
7	Non volatile residue , maximum	%w/v	0.005		
8	Assay (GC) , minimum	%w/w	99.80		
9	Volatile Impurities i) Total impurity	%w/w	1.0		
10	Volatile Impurities ii) Each individual impurity	%w/w	0.1		
11	Residual Solvents as 1- Propanol, maximum	%w/w	0.200		
12	Residual Solvents as Cyclohexane maximum	%w/w	0.005		
13	Solubility	-	Miscible with purified water ,ether,alcohol & chloroform		
14	Water content , maximum	%w/w	0.10		
Reference: DFPCI Spec. IPA -S-01 , IS 11686:1997 & US Phamacopeia 2014 volume I,II,III IV.					
DC No.	Document Control Number				
FP	Finish Product				
UOM	Unit of measurement				
w/w	Weight by weight				
Prepared by	Checked by	Approved by			
<i>S. Kulkarni</i> 26/02/2018	<i>A. Bhat</i> 26/02/2018	<i>(Signature)</i>			
Manager-QA	AGM-QA	Sr.GM-QA	AVP- Manufacturing	EVP-Sales	