TEMAD CO.
(Active Pharmaceutical Ingredient Manufacturer Co.)

Title: Specification Form			
Code: TEM-QA-SOP-017-F/01	**Effective Date:** 21 January 2023	**Revision date:** 21 January 2025	Page 1 of 1

Trade Name: -

Chemical Name: **Isopropyl alcohol**

CAS No.: [67-63-0]

Raw material/ Excipient ■ | Starting material/ Intermediate □ | API product □ | Semi-finished product □ | Finished product□

Method of analysis: USP □ | BP ■ | EP □ | JP □ | In House □

Handling and storage: Protected from light.

Chemical specification

No.	Item	Standard-Specification	Ref.	Recommendation
1	**Description**	Clear, colourless liquid.	BP2020	
2	**Solubility**	Miscible with water and with ethanol 96%.	BP2020	
3	**Identification**	A: Relative density: 0.785 to 0.789	BP2020	
		B: Refractive index: 1.376 to 1.379		
		C: IR		
		D: After 2-5 min, the entire sulfuric acid layer turns violet		
4	**Appearance**	The substance to be examined is clear and colorless.	BP2020	
5	**Acidity or alkalinity**	Not more than 0.6 mL of 0.01 M sodium hydroxide is required to change the colour of the indicator to pale pink.	BP2020	
6	**Absorbance**	Maximum 0.30 at 230 nm	BP2020	
		Maximum 0.10 at 250 nm		
		Maximum 0.03 at 270 nm		
		Maximum 0.02 at 290 nm		
		Maximum 0.01 at 310 nm		
7	**Benzene and related substances**	Benzene: Not more than 2 ppm	BP2020	
		Total of impurities apart from 2-butanol: Not more than 0.3%		
8	**peroxides**	No colour develops	BP2020	
9	**Non- volatile substances**	Maximum 20 ppm (20mg/L)	BP2020	
10	**Water**	Maximum 0.5%, Determined on 5.0 gr	BP2020	

Written by	Reviewed by		Approved by	
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Documentation stamp