

## Certificate of Analysis

Date of Testing: 2022-01-25 18:43:02  
Date of Next Testing: 2026-01-24 18:43:02  
Product Name: **Propanol**  
CAS Number: 71-23-8  
Specifications & Purity: reagent grade,99.0%  
Lot #: A2221081  
SKU #: **P110343**  
Analysis: **070280**

Parameter	Limit Values	Result
Evaporation Residue	0-0.002 (%)	0.00%
ester(as CH <sub>3</sub> COOC <sub>3</sub> H <sub>7</sub> )	0-0.1 (%)	0.00%
Aldehydes	0-0.2 (%)	0.10%
Refractive index n <sub>20</sub> /D	1.384-1.386	1.39
Unsaturation compounds	0-0.1 (%)	0.10%
Acidity(as H <sup>+</sup> )/ (mmol/100g)	0-0.05	0.02
Purity(GC)	99-100 (%)	99.70%
Density (20°C)	0.803-0.805	0.80
Appearance (P110343)	Colorless liquid	Colorless liquid
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager