

---

## CERTIFICATE OF ANALYSIS

**PRODUCT NAME:** Isopropyl alcohol (IPA) 99.9%

**PRODUCTION DATE :** July, 28<sup>th</sup>, 2023

**SHELF LIFE :** TWO YEARS

**BATCH NUMBER :** 20230728

**EXPIRY DATE:** July, 27<sup>th</sup>,  
2025

**QUANTITY:** 24.32MT

Item	Standard	Result
Appearance	Colorless clarity liquid	Colorless clarity liquid
Purity (%)	99.9%	99.96
Color (Hazen)	≤10	5
Water content (%)	≤0.05	0.03
Acidity (as Acetic Acid) (%)	≤0.002	0.0008
Density at 20°C (g/cm <sup>3</sup> )	0.784-0.786	0.7850
Evaporation residue (%)	≤0.002	0.0007
Carbonyl value (%)	≤0.02	0.0027
Sulfid content (mg/kg)	≤2	0.4
Water soluble experiment	Pass	

**Inspectors:** Xu xiao dan **Auditors:** Xiao qin ping

**Conclusion:** Meet the standard