

MIT-IVY INDUSTRY CO.,LTD

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CERTIFICATE OF ANALYSIS

PRODUCT: ACETONITRILE PHARMA GRADE

BATCH NO.: MITSC20250205

MANUFACTURING DATE: Feb. 05, 2025

EXPIRY DATE: Feb. 04, 2027

ISSUE DATE: May. 04, 2025

We hereby certify that the above mentioned goods have been inspected as follows:

ITEMS	SPECIFICATIONS	TEST RESULTS
Appearance	Clear Colorless liquid, free from suspended matters	Complies
Color, (Pt-Co)	10 max	<10
Density (20 °C)	0.781~0.784	0.782
Acidity as Acetic acid (mg/kg)	50 max	2.07
Water, % w/w (by K.F.)	0.03 max	0.002
Hydrocyanic Acid (As HCN) (mg/kg)	10 max	2.5
Free Ammonia (mg/kg)	6 max	Not Detected
Acetone (mg/kg)	25 max	Not Detected
Acrylonitrile (mg/kg)	25 max	Not Detected
Heavy Component (Propionitrile included) (mg/kg)	300 max	276
Copper (mg/kg)	0.5 max	Not Detected
Iron (mg/kg)	0.5 max	0.005
Assay ,%	99.9 min	99.97
Residue on evaporation (mg/kg)	10 max	Not Detected
Boiling range (°C)	80.0~82.0	81.3~81.9
Titration acid(mmol/100g)	0.05 max	0.00022
Titration base(mmol/100g)	0.02 max	Not Detected
CONCLUSION	QUALIFIED WITH SH/T1627.1-2014 STANDARD	

