

CERTIFICATE OF ANALYSIS

Product Name	Monobenzene		
CAS NO.	103-16-2		
Batch Number	20241022	Manufacture Date	20241022
Report Date	20241022	Expiry Date	20261021

Item of Analysis	Specification	Results
Assay	≥99%	99.01%
Organoleptic		
Appearance	Powder	Conforms
Color	White crystalline powder	White powder
Odor	Odorless	Conforms
Taste	Tasteless	Conforms
Physical Characteristics		
Melting point	118°C~122°C	120.3°C~120.8°C
Clarity of alcohol solution	None suspended matters	Conforms
Ignition residue	≤0.5%	0.01%
Loss on drying	≤0.5%	0.02%
Burning residue	≤0.1%	0.06%
Sulfate	≤0.05%	<0.05%
Chloride	≤0.07%	<0.07%
Heavy metals		
Total Heavy Metals	≤20ppm	<10ppm
Lead (Pb)	2ppm NMT	Conform
Arsenic (As)	4ppm NMT	Conform
Cadmium (Cd)	2ppm NMT	Conform
Mercury (Hg)	0.5ppm NMT	Conform
Chloride	≤0.053%	<0.014%
Sulfate	≤0.15%	<0.03%
Microbiological Tests		
Total Plate Count	1000cfu/g Max	Conform
Yeast & Mold	100cfu/g Max	Conform
E. Coli.	Negative	Conform
Salmonella	Negative	Conform
Staphylococcus	Negative	Conform

Storage: Store in tight, light-resistant containers, avoid exposure to direct sunlight, moisture and excessive heat.

Shelf Life: 24 months if store under the conditions above and stay in original packaging.

