

Batch no 25020801
Mf date Feb 08 2025
Expiry Feb 07 2028
Batch size 500 kg

Molecular Structure



Molecular Formula $C_6H_{13}NO_2$
Molecular Weight 131.17
CAS Registry Number 60-32-2

May 23 2025

Tests	Specifications	Results
Appearance	A white or almost-white crystalline powder or colourless crystals	White crystalline powder
Solubility	Freely soluble in water, slightly soluble in alcohol	Conforms
Identification	First identification: A Second identification: B, C, D	Positive
Melting point	About 205°C with decomposition	205.9 ~ 207.0°C
Appearance of solution	Colorless and remains clear	Conforms
pH	7.5 ~ 8.0	7.93
Absorbance	A: 287 nm, ≤ 0.10 450 nm, ≤ 0.03 B: 287 nm, ≤ 0.15 450 nm, ≤ 0.03	0.016 0.004 0.056 0.015
Ninhydrin-positive substances	≤ 0.5%	Conforms
Heavy metals	≤ 10 ppm	Conforms
Loss on drying (1 gr at 105°C)	≤ 0.5%	0.07%
Sulphated ash	≤ 0.1%	0.05%
Assay (odb)	98.5 ~ 101.0% of 6-Aminohexanoic acid	98.9%

Packaging and storage	Preserve in tight containers
Conclusion	Material complies with EP9.0