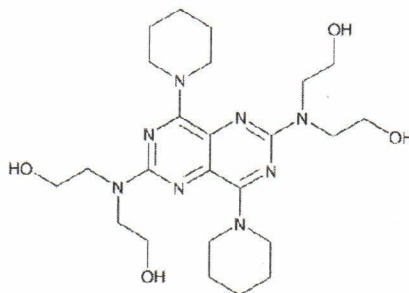


Batch no 202505206
Mf date May 06 2025
Retest May 05 2028
Batch size 319.4 kg

Molecular Structure



Molecular Formula $C_{24}H_{40}N_8O_4$
Molecular Weight 504.63
CAS Registry Number 58-32-2

Jul 03 2025

Tests	Specifications	Results
Appearance	Bright yellow crystalline powder	Conforms
Solubility	Practically insoluble in water, freely soluble in acetone, soluble in anhydrous ethanol. Freely soluble in diluted hydrochloride acid	Conforms
Identification	IR	Positive
Sulfated ash	$\leq 0.1\%$	0.05%
Related substances	Impurity A $\leq 0.5\%$ Impurity B $\leq 0.5\%$ Impurity C $\leq 0.5\%$ Impurity D $\leq 0.2\%$ Impurity E $\leq 0.2\%$ Any other impurity $\leq 0.1\%$ Total impurities $\leq 1.0\%$	0.05% < 0.05% ND < 0.05% < 0.05% < 0.05% < 0.05%
Residual solvents	Methanol $\leq 0.2\%$ Ethanol $\leq 0.2\%$	ND 0.005%
Benzenesulfonate esters	Sum of methyl p-toluenesulfonate & ethyl p-toluenesulfonate ≤ 3.75 ppm	ND
Chlorides	≤ 200 ppm	Conforms
Loss on drying	$\leq 0.5\%$	0.05%
Assay (odb)	98.5 ~ 101.5% of $C_{24}H_{40}N_8O_4$	100.1%

Packaging & storage	Protected from light
Conclusion	Material complies with EP11.0