

PRODUCT IDENTITY

PRODUCT NAME	Neomycin trisulfate salt hydrate	PRODUCT NUMBER	N432048
Grades & Purity	BioReagent, for cell culture, powder	VERSION	3
CAS NUMBER	1405-10-3	FORMULA	$C_{23}H_{46}N_6O_{13} \cdot 3H_2SO_4 \cdot xH_2O$
FORMULA WEIGHT	908.88 (anhydrous basis)g/mol		

ACCEPTANCE CRITERIA

PARAMETER	SPECIFICATION / LIMIT
Appearance(N432048)	White to Light Yellow Powder
Solubility in H ₂ O , Colorless to Yellow,Clear to Slightly Hazy(50mg/ml)	pass
PH(3.3%; in Water)	5.0-7.5
Loss on drying	0-10 (%)
Specific Rotation [α] _{20/D} (c=10 in H ₂ O)(dry basis)	53.5-60 (°)
Cell Culture Test	pass
NMR Spectrum 1H	Conforms to Structure
potency (dry basis)	≥600 (μg/mg)