

CERTIFICATE OF ANALYSIS

PRODUCT NAME: Creatine monohydrate, 98%

ITEM NUMBER: C105702
BRAND: Aladdin
CAS NUMBER: 6020-87-7
MDL NUMBER: MFCD00071582
FORMULA: C₄H₉N₃O₂ · H₂O
MOLECULAR WEIGHT: 149.15

TEST	SPECIFICATION		TARGET VALUE
	MIN.	MAX.	
Appearance	White to Off-White Powder		
Creatinine	0 %	0.5 %	0.5 %
Dicyandiamide	0 %	0.5 %	0.5 %
Ignition residue (as sulfate)	0 %	0.1 %	0.1 %
Loss on drying	6 %	13 %	13 %
Proton NMR spectrum	Conforms to Structure		
Purity(HPLC)	98 %	100 %	100 %
Purity(Titration with HClO ₄ (calcd.on anh.substance))	98 %	102 %	102 %
Solubility	clear colorless solution (50mg/ml,water)		