

CERTIFICATE OF ANALYSIS

PRODUCT NAME: Methoxypolyethylene glycol amine, M.W. 5000

ITEM NUMBER: M109438
BRAND: Aladdin
CAS NUMBER: 80506-64-5
MDL NUMBER: MFCD00131599
FORMULA: $C_{2n+3}H_{4n+9}NO_{n+1}$
MOLECULAR WEIGHT:

TEST	SPECIFICATION		TARGET VALUE
	MIN.	MAX.	
Appearance	white powder or solid		
Moisture content	0 %	0.1 %	0.1 %
Molecular Weight(PEG raw material)(MALDI or GFC)	4500 1D=1/N g	5500 1D=1/N g	5500 1D=1/N g
Polydispersity(PEG raw material)(GFC)	0	1.05	1.05
Proton NMR spectrum	Conforms to Structure		
Purity(HPLC)	95 %	100 %	100 %
Substitution (NMR)	95 %	100 %	100 %