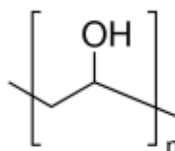


Certificate of Analysis

Product Name:

Poly(vinyl alcohol) - Mw 85,000-124,000, 99+% hydrolyzed

Product Number: 363146
Batch Number: MKCC6452
CAS Number: 9002-89-5
MDL Number: MFCD00081922



Test	Specification	Result
Appearance (Color)	White to Off-White	White
Appearance (Form)	Pow der or Crystals	Crystals
Infrared Spectrum	Conforms to Structure	Conforms
Miscellaneous Assay	99.3 - 100.0 %	99.5 %
Hydrolyzed Material		
Loss on Drying	≤ 5.0 %	3.4 %
Residue on ignition (Ash)	≤ 1.20 %	1.09 %
Viscosity	28.0 - 32.0 cps	29.9 cps
C = 4%; Water		
pH	5.5 - 7.5	6.1
C = 4%; Water		