

## PRODUCT SPECIFICATION SHEET

## Polyethylene Glycol 3350 (PEG 3350)

USP Grade

Test	Specification	Typical Results
Assay, %	97.0 — 103.0	97.0 — 103.0
Average Mole Weight, g/mol	3015 — 3685	3015 — 3685
IDA:Infrared	Pass	Pass
IDB:Chromatographic, Major peak retention times correspond	Pass	Pass
Ethylene Oxide, ppm	1 Max	1 Max
1,4-Dioxane, ppm	10 Max	10 Max
Ethylene Glycol, ppm	620 Max	620 Max
Sum EG + DEG	Not more than 0.2%	Pass
Formaldehyde, ppm	30 Max	30 Max
Sum of Aldehydes, As Formaldehyde + Acetaldehyde, ppm	200 Max	200 Max
Polydispersity	1.00 — 1.16	1.00 — 1.16
Hydroxyl Value	30 — 38	30 — 38
pH, 25degC 5% aqueous solution	4.5 — 7.5	4.5 — 7.5
Water, wt%	1.0 Max	1.0 Max
Residue on Ignition	Not more than 0.1%	Pass
Appearance	White solid with a waxy appearance	Pass
Identification: a	Pass	Pass
Acidity	less than 0.1mL of 0.1M NaOH	Pass
Viscosity, 20degC 50% AQ, mPa.s	83 — 120	83 — 120
Hydroxyl Value	30 — 38	30 — 38
Formaldehyde, ppm	less than 15	Pass

Ethylene Oxide, ppm	1 Max	1 Max
1,4-Dioxane, ppm	10 Max	10 Max
Identification: b, c	Pass	Pass
Appearance of Soln	Pass	Pass
Freezing Point	between 53 - 57 deg C	Pass
Reducing Substances	Pass	Pass
Sulphated Ash	less than 0.2%	Pass
ВНТ	nominal 100 ppm	Pass
Color, Pt-Co, 25% aqueous solution	18 Max	18 Max
DEG, ppm	300 Max	300 Max
EG, ppm	300 Max	300 Max
Viscosity, 210degF, cSt	76 — 110	76 — 110
Acetic Acid, ppm	less than 5000	Pass

Appropriate/legal use of this product is the responsibility of the user.