

**Specification for Polyethylene Glycol 3350,
 USP (PO125)**

Item Number	PO125
Item	Polyethylene Glycol 3350, USP
CAS Number	25322-68-3
Molecular Formula	$H(OCH_2CH_2)_nOH$
Molecular Weight	
MDL Number	
Synonyms	Macrogol 3350; PEG-75 ; Base B ; Macrogol 3350 ; PEG-75

Test	Specification	
	Min	Max
ASSAY (ANHYDROUS BASIS)	97.0	103.0 %
APPARENT WEIGHT-AVERAGE MOLECULAR WEIGHT	3015	3685
POLYDISPERSITY	1.00	1.16
HYDROXYL VALUE	30	38
ACIDITY AND ALKALINITY, pH	4.5	7.5
RESIDUE ON IGNITION		0.1 %
ETHYLENE GLYCOL		0.062 %
SUM OF ETHYLENE & DIETHYLENE GLYCOL		0.2 %
FORMALDEHYDE		15 µg/g
SUM OF FORMALDEHYDE & ACETALDEHYDE		200 µg/g
FREE ETHYLENE OXIDE		1 µg/g
FREE 1,4-DIOXANE		10 µg/g
ELEMENTAL IMPURITIES:		
NICKEL (Ni)	AS REPORTED	
CHROMIUM (Cr)	AS REPORTED	
WATER DETERMINATION		1.0 %
IDENTIFICATION A (IR 197A)	SPECTRUM MATCHES REFERENCE	
IDENTIFICATION B (HPLC)	RETENTION TIME CORRESPONDS TO STANDARD	
EXPIRATION DATE		
DATE OF MANUFACTURE		