



Tose Alkamid

Certificate of Analysis

Polyethylene Glycol

PEG 400 ($C_{2n}H_{4n+2}O_{n+1}$, $n = 8.2$ to 9.1)

HS Code: 39072090

CAS Number: 25322-68-3

Test	Method	Units	Specification Limits		Results
			Min	Max	
Color	-	-	Colorless		Colorless
Average Molecular Weight	-	g/mol	380	420	381.50
Hydroxyl Value	-	mgKOH/g	267	296	294.1
PH 5% Solution in Water	-		4.5	7.5	6.45
Residue on ignition		% wt.		0.1	0.05
Heavy Metals		ppm		5	<5
Viscosity at 98.9°C		Cst	6.8	8.0	6.81
Water		% wt.		2	0.50
Ethylene Oxide		µg/g		10	8
1,4-Dioxane		µg/g		10	4.7
Ethylene Glycol Diethylene Glycol		% wt.	NMT 0.25% (Total)		0.043

Prepared By:

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