

PRODUCT SPECIFICATIONS

Product: SANGELOSE 90M

INCI Name: Hydroxypropyl Methylcellulose Stearoxy Ether

<u>Test ID</u>	<u>Test Name</u>	<u>Specification</u>			<u>Test Method</u>
		<u>Min</u>	<u>/</u>	<u>Max</u> / <u>Text</u>	
001A	Appearance	White to yellowish white powder/granules			Visual
002A	Odor	Characteristic			Organoleptic
004V1	Viscosity, Kinematic, mm ² /s, 25°C	160		240	0.5% mixture in 40% IPA
010A	Loss on Drying, %	0		5	2hrs. @ 105°C
012B	Microbiology	Total bacterial count < 100/g (ml); Yeast and mold < 100/g (ml); No gram negative or positive			Current USP Microbial Limit Test
022A1	Chloride, %	<0.284			JSCI Test of Chloride
025R3	pH	5.5		7.5	0.5% solution
026MD	Heavy Metals, ppm	<10			JSQI (Method 2, 2 g)
042R2	Residue on Ignition, %	0		0.1	JSQI (Method 2, 1 g - 650° C)
052Z	Identification	To Pass Test			Identification of Hydroxypropylmethylcellulose Stearoxy Ether
177B	Diethyl Ether Extract, %	<0.2			Soxhlet Extraction
181A	Methoxy Group	21.5		24	GC
181A1	Hydroxypropoxy Group	7		11	GC
181A2	Stearoxyhydroxypropoxy Group	1		2	GC