

FINISHED PRODUCT SPECIFICATIONS

Sodium Dextran Sulphate MW 8,000 (DS8)

<u>TEST</u>	<u>SPECIFICATION</u>
Identity	To Pass Test
Appearance	Off white to light yellow powder
Loss on Drying:	NMT 10.0%
Free Inorganic Sulphate	NMT 0.2%
Residue on Ignition	35% - 50%
Total Sulphur Content	17.0% - 20.0%
Glucose Content	35% - 48%
Specific Viscosity (In 1.0M NaCl at 25°C)	0.018 - 0.032
pH (1% solution)	5.0 to 7.5
Specific Rotation $[\alpha]_D^{20}$	+75 ⁰ to +105 ⁰
Insoluble Iron	NMT 2.0%
Residual Pyridine	NMT 2.0%
Clarity (20% solution) Absorbance at 360 nm	NMT 0.9 OD unit
Chloride Content	NMT 1000 ppm

FINISHED PRODUCT SPECIFICATIONS

Sodium Dextran Sulphate MW 40,000 (DS40)

<u>TEST</u>	<u>SPECIFICATION</u>
Identity	To Pass Test
Appearance	Off white to light yellow powder
Loss on Drying:	NMT 10.0%
Free Inorganic Sulphate	NMT 0.2%
Residue on Ignition	35% - 50%
Total Sulphur Content	17.0% - 20.0%
Glucose Content	35% - 48%
Specific Viscosity (In 1.0M NaCl at 25°C)	0.05 - 0.13
pH (1% solution)	5.0 to 7.5
Specific Rotation $[\alpha]_D^{20}$	+75 ⁰ to +105 ⁰
Insoluble Iron	NMT 2.0%
Residual Pyridine	NMT 2.0%
Clarity (20% solution) Absorbance at 360 nm	NMT 0.9 OD unit
Chloride Content	NMT 1000 ppm

FINISHED PRODUCT SPECIFICATIONS

Sodium Dextran Sulphate MW 80,000 (DS80)

<u>TEST</u>	<u>SPECIFICATION</u>
Identity	To Pass Test
Appearance	Off white to light yellow powder
Loss on Drying:	NMT 5.0%
Free Inorganic Sulphate	NMT 0.2%
Residue on Ignition	35% - 45%
Total Sulphur Content	15.0% - 19.0%
Glucose Content	35% - 48%
Specific Viscosity (In 1.0M NaCl at 25°C)	0.08 - 0.15
pH (1% solution)	5.8 to 6.8
Specific Rotation $[\alpha]_D^{20}$	+95 ⁰ to +105 ⁰
Insoluble Iron	NMT 2.0%
Residual Pyridine	NMT 0.5%
Clarity (20% solution) Absorbance at 360 nm	NMT 0.9 OD unit
Chloride Content	NMT 1000 ppm

FINISHED PRODUCT SPECIFICATIONS

Sodium Dextran Sulphate made from Dextran Powder MW 500,000

<u>TEST</u>	<u>SPECIFICATION</u>
Identity	To Pass Test
Appearance	Off white to light yellow powder
Loss on Drying:	NMT 10.0%
Free Inorganic Sulphate	NMT 0.2%
Residue on Ignition	40% - 50%
Total Sulphur Content	17.0% - 20.0%
Glucose Content	35% - 48%
Specific Viscosity (In 1.0M NaCl at 25°C)	0.10 - 0.70
pH (1% solution)	5.0 to 7.5
Specific Rotation $[\alpha]_D^{20}$	+75 ⁰ to +105 ⁰
Insoluble Iron	NMT 2.0%
Residual Pyridine	NMT 2.0%
Clarity (20% solution) Absorbance at 360 nm	NMT 0.9 OD unit
Chloride Content	NMT 1000 ppm