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## Specification Sheet

### STEARIC ACID NF POWDER (Tristar 149)

Code No.	SCN No.	CAS No.	Effective Date	Product Manager	Rev. No.	Approved By
STASMP	2090	57-11-4	March 1, 2012	RMK	No. 16	CDS

<b>CHARACTERISTICS:</b>	<p>Stearic Acid is manufactured from fats and oils derived from edible sources and is a mixture of Stearic Acid (C<sub>18</sub>H<sub>36</sub>O<sub>2</sub>) and Palmitic Acid (C<sub>16</sub>H<sub>32</sub>O<sub>2</sub>). The content of C<sub>18</sub>H<sub>36</sub>O<sub>2</sub> is not less than 40.0%, and the sum of the two is not less than 90.0%. A white or faintly white yellowish powder of vegetable base. The particle size is typically 70% max on a 200 mesh, 20% max on a 100 mesh and 10% max on a 50 mesh. Specially micronized and particle classified stearic acid.</p>
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<b>SPECIFICATIONS:</b>	Congealing temperature	Not lower than 54°
	Acid value	205 - 210
	Iodine value	Not more than 0.7
	Residue on ignition	Not more than 0.1%
	Saponification value	206 - 213
	Heavy metals	0.001% max
	Lead	1 ppm max
	Arsenic	0.5 ppm max
	Mercury	1 ppm max
	Water	0.21 max
	Unsaponifiable matter	0.5% max
	Mineral acid	To pass test
	Neutral fat or paraffin	To pass test
Residual solvents	No solvents used	

<b>STOCKING POINTS:</b>	Carson, CA; Houston, TX; Bridgeview, IL; Atlanta, GA, Farmingdale, NJ
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<b>PACKAGING:</b>	20 kg 1 ply resin-coated paper bag; 30 bags per pallet, stretch-wrapped; Carson is 25x20kg bags/pallet.
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<b>APPLICATIONS:</b>	A lubricant in the manufacture of compressible tablets. Excellent substitute for zinc or magnesium stearates, which have known incompatibilities with some excipients and APIs in pharmaceutical applications. Magnesium Stearate is also sensitive to overblending and Tristar Stearic Acid is not. Its characteristics allow the material to create a highly desirable, hard, glossy finish. Contains no metal residues, is lower in moisture and ash and unlike magnesium stearate, has no taste effects.
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<b>SHELF LIFE AND SPECIAL STORAGE INSTRUCTIONS:</b>	Two-year shelf life from date of manufacture. Preserve in well-closed containers.
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<b>OTHER:</b>	Kosher Circle K; DMF #17995; GRAS
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