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SPECIFICATION SHEET

POMEGRANATE FRUIT EXTRACT ELACYAN® 10

Code No.	SCN No.	CAS No.	Effective Date	Product Manager	Rev. No.	Approved By
PGRTFP	3040	84961-57-9	January 25, 2010	SW	Original	SDM

CHARACTERISTICS:	Elacyan® 10 is the extract of the fruit of pomegranate (<i>Punica Granatum</i>), standardized on total ellagitannins, rich in phenolic acids, tannins and anthocyanins. For use in nutritional, food, beverage and personal care applications as an antioxidant. The extraction of Elacyan® 10 is conducted using water or water/ethanol processes, and yields a soluble and slightly hygroscopic powder.
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SPECIFICATIONS:	Appearance	Brown powder
	Taste	Slightly bitter
	Extract ratio	5:1
	Carrier	Maltodextrin
	Total polyphenols (DO 280nm)	Greater than 90%
	Total ellagitannins	Greater than 8%
	Ellagic acid content	Greater than 0.8%
	Loss on drying	Less than 8%
	Ash	Less than 10%
	pH (1% solution)	3-7
	Tapped density	0.5 to 0.8 g/cc
	Particle size	95% less than 200µm

PACKAGING:	25 kg box
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APPLICATIONS:	Elacyan® 10 is an excellent antioxidant for nutritional, functional food and beverage applications. Benefits are attributed to hydrolysable tannins called ellagitannins. Those tannins are transformed by the body in ellagic acid, which is a key to their bioavailability and overall activity. Unlike many other extracts, Elacyan® 10, does not contain any added ellagic acid from other cheaper sources but is standardized to the highest ellagitannins concentration available.
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SHELF LIFE AND STORAGE INSTRUCTIONS:	Hygroscopic powder, store in a dry place. Retest: Two years from date of manufacture
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