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SPECIFICATION SHEET

GREEN TEA EXTRACT Exocyan® THV 80

Code No.	SCN No.	CAS No.	Effective Date	Product Manager	Rev. No.	Approved By
GRTTFP	3040	84650-60-2	October 4, 2011	SW	No. 1	CDS

CHARACTERISTICS:	EXOCYAN ® THV 80 is a powder obtained after aqueous extraction of green tea leaves (<i>Camellia sinensis</i>) family of <i>Theaceae</i> . The extract is rich in polyphenols (80% polyphenols). Unlike black tea, the leaves of green tea do not undergo the fermentation process and are therefore richer in catechins.
Appearance	Light green to light brown powder
Taste	Bitter
Extract Ratio	Approximately 4:1
Carrier	None

SPECIFICATIONS:	Total polyphenols (Folin assay)	Greater than 30%
	Total polyphenols (OD 280nm)	Greater than 80%
	Caffeine	Less than 10%
	ORAC value	Greater than 4000µmol TE/g
	Distribution of total polyphenols	
	Gallic Acid	1-20%
	Catechin	1-10%
	EpiCatechin	1-20%
	EpiGalloCatechin Gallate	30-60%
	EpiCatechin Gallate	1-20%
	EpiGalloCatechin	1-30%
	Water content	Less than 6%
	Ash	Less than 15%
	pH at 1%	4 to 6
	Solubility at 1%	Greater than 90%
	Tapped density	0.5 to 0.8 g/cm ³
	Particle size	95% less than 200µm

PACKAGING:	25 kg carton
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APPLICATIONS:	Capsules and tablets for nutritional applications.
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SHELF LIFE AND STORAGE INSTRUCTIONS:	Hygroscopic powder, store in a dry place. Best before: 24 months from date of manufacture
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