

**American International Chemical, Inc.**

Corporate Offices: (800) 238-0001

Internet: www.aicma.com Email: info@aicma.com**SPECIFICATION SHEET****BLACK TEA EXTRACT****Exocyan® THN 80**

Code No.	SCN No.	CAS No.	Effective Date	Product Manager	Rev. No.	Approved By
BLTTFP	3040	84650-60-2	January 4, 2011	SW	Original	CDS

CHARACTERISTICS:	EXOCYAN ® THN 80 is a powder obtained after aqueous extraction of black tea leaves (<i>Camellia sinensis</i>) family of <i>Theaceae</i> . The extract is rich in polyphenols (80% polyphenols). Unlike green tea, the leaves of black tea undergo fermentation process which modifies polyphenols distribution.	
	Appearance	Dark brown powder
	Taste	Astringent
	Extract Ratio	Approximately 5:1
	Carrier	None

SPECIFICATIONS:	Total polyphenols (Folin assay)	Greater than 10%
	Total polyphenols (OD 280nm)	Greater than 80%
	Caffeine	Less than 10%
	Distribution of total polyphenols	
	Gallic Acid	20-40%
	Catechin	1-10%
	EpiCatechin	1-10%
	EpiGalloCatechin Gallate	1-10%
	EpiCatechin Gallate	1-10%
	EpiGalloCatechin	30-70%
	Water content	Less than 6%
	Ash	Less than 10%
	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
-------------------	--------------

APPLICATIONS:	Capsules and tablets for nutritional applications.
----------------------	--

SHELF LIFE AND STORAGE INSTRUCTIONS:	Hygroscopic powder, store in a dry place. Best before: 24 months from date of manufacture
---	--