

**American International Chemical, Inc.**

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SPECIFICATION SHEET**CRANBERRY EXTRACT****EXOCYAN® CRAN S**

Code No.	SCN No.	CAS No.	Effective Date	Product Manager	Rev. No.	Approved By
CRNTFS	3040	91770-88-6	May 6, 2011	SW	No. 3	CDS

CHARACTERISTICS:	Spray dried purple powder extract of cranberry (<i>Vaccinium macrocarpon</i>) rich in PAC's (proanthocyanidins). Non-selective water ethanol extract keeping all the active molecules found in cranberries including specific proanthocyanidins A. Carrier: Maltodextrin and Magnesium Hydroxide when necessary.
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SPECIFICATIONS:	Appearance	Pink powder
	Taste	Characteristic
	Water content	6% max
	Solubility (1% in water)	95% min
	Proanthocyanidins (Bates Smith Method)	2% min
	Proanthocyanidins (Hawthorn EU Pharm. Method)	2% min
	Proanthocyanidins (Vanillin dry basis)	1% min
	Extract ratio	12:1 minimum
	Ash	3% max
	pH in a 1% solution	2-5
	Tapped density	0.50 -0.80
	Particle size	95% less than 200µg
	Microbials	
	Total plate count	Less than 10,000 cfu/g
	Yeast and molds	Less than 100 cfu/g
	Staphylococcus aureus	Absent in 1g
	Eterobacteriaceae	Less than 100 cfu/g
	Coliforms@ 30°C	Less than 10 cfu/g
	Escherichia coli	Absent in 1g
Salmonella	Absent in 25g	

PACKAGING:	25 kg cardboard drums
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APPLICATIONS:	Urinary Tract Infection (UTI) Bacterial anti-adhesion, dental health, ulcer Free scavenger, antioxidant and angio-protection to polyphenols Dietary supplements Functional foods and beverages A daily intake of 3600mg of EXOCYAN® CRAN S brings 36mg of PACs that help to reduce the recurrence of urinary discomfort.
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SHELF LIFE AND STORAGE INSTRUCTIONS:	Retest after two years Hygroscopic product, store in a dry place
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