Aktin Chemicals, Inc.
No.88 Keyuan South Road, High-tech Zone, Chengdu
610041 P.R.China
Tel: 86-28-85159085 Fax: 86-28-85159085 Ex 604
Website: www.aktin.com Email: info@aktin.com

Nature Connecting Health

SPECIFICATION SHEET

Product Name	Brocrene® Broccoli Extract
Molecular Formula	$C_{12}H_{23}NO_{10}S_3$
Molecular Weight	437.51
Botanical name	*Brassica oleracea L.var.italica Plenck*
Used Part	Seed
Product Specification	Glucoraphanin≥13.0%
Country of Origin	China

QUALITY SPECIFICATIONS

ITEMS	SPECIFICATIONS	METHODS
Appearance	Fine powder	Visual
Color	Light brown	Visual
Odor	Characteristic	Organoleptic
Taste	Characteristic	Organoleptic
Mesh size/Sieve	NLT95% pass 80 mesh	80 mesh
Bulk density	NMT0.8g/ml	USP<616>
Loss on Drying	≤8.0%	USP <731>
Residue on Ignition	≤5.0%	USP <281>
Identification		
Identifiable active ingredient	Complies with standards	TLC
Assay		
Glucoraphanin	Nlt13.0 %	HPLC
Residues		
Solvent Residues	USP<467>	GC
Heavy metals		
Heavy Metals	≤10ppm	ICP-MS
Lead	≤2ppm	ICP-MS

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ITEMS	SPECIFICATIONS	METHODS
Arsenic	≤1ppm	ICP-MS
Mercury	≤0.1ppm	ICP-MS
Cadmium	≤1ppm	ICP-MS
Microbiological		
Total Plate Count	<1000cfu/g	USP <2021>
Yeast& Mold	<100cfu/g	USP <2021>
E.Coli	Negative	USP <2022>
Salmonella	Negative	USP <2022>
Staphylococcus	Negative	USP <2022>
Statement: Non-Irradiated, Non-BSE/TSE, Non-GMO, Non-Allergen		

STORAGE, STABILITY & PACKAGING

Storage	Store in a cool & dry place, keep away from strong light and heat.
Stability	24 months when properly stored.
Packaging	Packed in paper-drums with two food grade plastic-bags inside, 25kg/Drum or as requested.