



西安绿泉科技有限公司

XI'AN GREEN SPRING TECHNOLOGY CO., LTD.

CERTIFICATE OF ANALYSIS

Product Name:	Broccoli extract
Botanical source :	<i>Brassica oleracea L. var. It</i>
Part used	Seed
Extraction solvent	Ethanol
Excipients used	Maltodextrin
Description:	Yellow powder with characteristic odor.
Identification:	Passes all criteria tests
Batch No	191010
Batch quantity	50kg
Mfg Date:	Oct 15th, 2019
Expiry date	Apr 15 th , 2021

Item	Specification	Results	Test method
Assay(Sulforaphane)	$\geq 1\%$	1.12% by HPLC	HPLC
Assay(other components)	(Maltodextrin and other ingredient from Broccoli plant)	87%	
Impurities	No visible Impurities	Conforms	Organoleptic
Color	Yellow powder	Yellow powder	Organoleptic
Ash	$\leq 5\%$	3.25%	GB 5009.4
Moisture	$\leq 7\%$	6.8%	GB 5009.3
Heavy Metals	$\leq 10\text{ppm}$	1.2ppm	GB5009
Arsenic	$\leq 0.3\text{ppm}$	0.08ppm	GB5009.11
Lead	$\leq 0.5\text{ppm}$	0.12ppm	GB 5009.12
Cadmium	$\leq 1\text{ppm}$	Not Detected	GB 5009.15
Mercury	$\leq 0.1\text{ppm}$	Not Detected	GB 5009.17
Solvent residue	$\leq 500\text{ppm}$	12ppm	CP2010
Phosphate Organics	Negative	Not Detected	GB/T 5009.20
DDT	$\leq 0.1\text{mg/Kg}$	Not Detected	GB/T 5009.19
BHC	$\leq 0.1\text{mg/Kg}$	Not Detected	GB/T 5009.19
Microbiological control			
Total bacteria count	$< 1000\text{ cfu/g}$	112 cfu/g	GB 47892
Yeast & mold	$< 50\text{ cfu/g}$	Not Detected	GB 47893
E.coil	$\leq 40\text{MPN}/100\text{g}$	Not Detected	GB 478915
Salmonella, staphylococcus aureus	Negative	Not Detected	GB 4789.10 GB 4789.4

Storage Under normal temperature, avoid light, dry
Shelf 18 month when properly stored.

Approved by: 
Quality Control