



米克 ( 武汉 ) 生物科技有限公司

Mike(Wuhan) Biotechnology Co.,Ltd

## CERTIFICATE OF ANALYSIS


Product Name:	Glucoraphanin 30.0%	Plant Part:	Seed
Synonyms:	Broccoli Seed Extract 28.0%	Botanical Name:	Brassica oleracea L.var. Italic Planch.
CAS NO.:	21414-41-5	Extract Solvent:	Ethanol and Water
Quantity:	80kg	Carrier:	None
MFG. Date:	2022.09.13	Batch No:	MK-GLU-20220913
Report Date:	2022.09.22	RetestDate:	2024.09.12

Testing Items	Specifications	Results	Test Methods
Appearance	Light brown yellow	Conforms	Visual
Identification	HPLC-Complies standard	Conforms	HPLC
Taste	Tasteless	Conforms	Taste
Glucoraphanin	27.0-31.0%	28.9% (dried base)	HPLC
Loss on Drying	≤5.0%	3.4%	CP2015
Ash	≤1.0%	0.2%	CP2015
Bulk density	0.30—0.40g/ml	0.35g/ml	CP2015
Sieve analysis	100% through 80 mesh	Conforms	CP2015
<b>Heavy metals</b>			
Total heavy metals as Lead	≤10ppm	Conforms	CP2015
As	≤1ppm	0.24ppm	AAS-Gr
Cadmium	≤0.3ppm	0.07ppm	ICP/MS
Lead	≤1ppm	0.3ppm	ICP/MS
Mercury	≤0.1ppm	0.08ppm	AAS-Cold
Chromium VI(Cr)	≤2ppm	0.4ppm	ICP/MS
<b>Microbiological control</b>			
Total bacterial count	≤1000CFU/g	380CFU/g	CP2015



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Yeast	≤50CFU/g	23CFU/g	CP2015
Mould	≤50CFU/g	18CFU/g	CP2015
E.Coli	Negative	Negative	CP2015
Salmonella	Negative	Negative	CP2015
Conclusion	Conform with the In-house standard		
Packing	5Kg/Drum (with double see-through)		
Shelf life	Two years		
Storage	In a cool and dry area with tightly sealed containers		
Laboratory technician:	Checker: 	Quality control	