
		<b>Specification</b>	
		MA 0259127	
Document Number/Revision		Effective Date	DCR #
PU202		20 Sept., 2021	2021/9/20
<b>Botanical / Product Information Sepecification</b>			
<b>Product Information</b>		<b>Spec Revision # 00 Date.....Pages 01</b>	
Item Name	Black Ginger	Item Code	BH19
Scientific Botanical Name	Kaempferia parviflora	Plant Part used	tubor
Botanical Synonym (Syn)	N/A	Marker Compounds	
Alternate Species	N/A	Assay Method	N/A
Standardized Common Name	Black Ginger	Herb to Powder Ratio	6:01
Other Common Names	Black galangal	Antimicrobial Method	Aqueous Ozone
Pharmaceutical Name	N/A	Organic/ Special	Wild Harvested
Ayurvedic Name	N/A	Vegetarian or Vegan	Vegetarian and Vegan
Chinese Pinyin Name	N/A	CAS#	N/A
Identity/Assay Method	N/A	Molecular Weight (g/mol.)	N/A
Specific Supplier	N/A	Molecular Formula	N/A
Trademark		Other	N/A
<b>Organoleptic Characteristics</b>			
Color	deep purple	Odor/ Aroma	mild licorice/vanilla/ginger
Clarity	N/A	Flavor/ Sensation	licorice/ ginger flavor
Form/ Texture	Fine Powder	Foreign Material	Meets AQL

Characteristics			Method/Standard
Mesh / Density	40 mesh		
Impurities / Analysis Criteria		Specifications	Method/Standard
Lead (Pb)	0.086 mg./ kg.	Less than 1.	AOAC 2012, 999.1
Arsenic	0.305 mg./ kg.	less than 2.	MCMFA 2003
Microbiological Control / SOP QC -141			
Yeast	less than 10		APHA, Comp. 2001 ch.20
Coliform	below acceptable level of 3		BAM 2013, Chapter 4
Staphylococcus	none detected		BAM2001 Chapter 12
Salmonella	none detected		ISO 6579-2002/Cor.1:2004E
E. Coli	below acceptable level of 3		BAM 2013, Chapter 4
Clostridium	none detected		USP 37, NF 32 2014
Special Notation / Requirements			
*Must : test each lot for silymarin, Include in calculations silychrestin,silydianin, isosilybin A,isosilybin B, silybin A and silybin B.			
Approvals			
		N/A	
Prepared By	Date	Botanical Review (If applicable)	date
Quality Control/Quality Assurance		Quality Control/Quality Assurance	