
		Specification	
Document Number/Revision		Effective Date	
PU21		17 Feb. 22	
		22-0217GI	
Botanical / Product Information Sepecification			
Product Information		Spec Revision # 00 Date.....Pages 01	
Item Name	Ginger	Item Code	BH23
Scientific Botanical Name	<i>Zingiber officinale</i>	Plant Part used	tubor / root
Botanical Synonym (Syn)	N/A	Marker Compounds	N/A
Alternate Species	N/A	Assay Method	N/A
Standardized Common Name	Ginger	Herb to Powder Ratio	9:1
Other Common Names	N/A	Antimicrobial Method	Aqueous Ozone
Pharmaceutical Name	N/A	Organic/ Special	N/A
Ayurvedic Name	N/A	Vegetarian or Vegan	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
Organoleptic Characteristics			
Color	light yellow	Odor/ Aroma	pine-like aroma
Clarity	N/A	Favor/Sensation	ginger slighly spicy
Form/ Texture	Fine Powder	Foreign Material	Meets AQL

Characteristics			Method/Standard
Mesh / Density	40 mesh		
Metals		Standard	Method/Standard
Lead (Pb)	0.690 mg/kg.	less than 1.0	AOAC 2012, 999.1
Arsenic	0.265 mg/kg.	less than 2.0	MCMFA 2003
Microbiological Control / SOP QC -141			
Mold and 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	