

CERTIFICATE OF ANALYSIS

Product Name	Aframomum Melegueta Extract		
L.name	<i>Aframomum Eelegueta</i>		
Used Part	Seed		
Solvents Used	Water&Ethanol		
Batch Number	20220422	Manufacture Date	20220422
Report Date	20220422	Expiry Date	20240421

Items	Standards	Results	Method
Physicalandchemicalanalysis			
Description	Light Yellow fine Powder	Qualified	Organoleptic
Odor	Characteristic	Qualified	Organoleptic
Effective constituent	6-parado $\geq 12.5\%$	12.66%	HPLC
	6-Gingerol $\geq 5\%$	5%	HPLC
Identification	Conform with reference sample	Complies	HPTLC
Mesh Size	100% pass 80 mesh	Qualified	In House
Loss on Drying	$\leq 5.0\%$	4.29%	GB5009.3-2016
Ash	$\leq 5.0\%$	2.56%	GB 5009.4-2016
Residue analysis			
(Pb)	$\leq 3\text{ppm}$	Qualified	GB 5009.12
(As)	$\leq 1\text{ppm}$	Qualified	GB/T 5009.11
(Hg)	$\leq 0.1\text{ppm}$	Qualified	GB/T 5009.15
(Cd)	$\leq 1\text{ppm}$	Qualified	GB/T 5009.17
Solvents Residue	Meet Eur.Ph.7.0 <5.4>	Qualified	Eur.Ph 7.0<2.4.24>
Pesticides Residue	Meet USP Requirements	Qualified	USP34 <561>
Microbiological Tests			
Total Plate Count	$\leq 1,000\text{cfu/g}$	Qualified	GB4789.2-2016
Yeast & Mold	$\leq 200\text{cfu/g}$	Qualified	GB4789.15-2016
Coliforms	0.92MPN/g	None detected	GB4789.3-2016
E.coil	Absent/10g	None detected	GB4789.3-2016
Salmonella	Absent/25g	None detected	GB4789.4-2016
Staphylococcus	Absent/10g	None detected	GB 4789.10

Storage: Store in tight, light-resistant containers, avoid exposure to direct sunlight, moisture and excessive heat.

Shelf Life: 24 months if store under the conditions above and stay in original packaging.