

## Certificate of Analysis

Product Name	Elderberry Extract	Botanical Source	<i>Sambucus Nigra</i>
Batch Number	RfJGM20200107	Manufacture Date	2020-01-07
Batch Quantity	1,000kg	Expiry Date	2022-01-06
Part Used	Fruit Berry	Extraction Solvent	Water

ITEM	SPECIFICATION	TEST RESULTS	METHOD
<b>PHYSICAL&amp;CHEMICAL</b>			
Assay	20:1	Complies	<i>TLC</i>
Appearance	Purple-red fine powder	Complies	<i>Organoleptic</i>
Particle Size	100% through 80 mesh	Complies	<i>USP&lt;786&gt;</i>
Bulk Density	40-60g/100ml	Complies	<i>USP&lt;616&gt;</i>
Loss on Drying	≤5.00%	3.18%	<i>USP40-NF35&lt;731&gt;</i>
Total Ash	≤5.00%	3.07%	<i>USP40-NF35&lt;281&gt;</i>
<b>CONTAMINANTS</b>			
Total Heavy Metals	≤10.0ppm	Complies	<i>USP40-NF35&lt;231&gt;</i>
Lead(Pb)	≤3.0ppm	Complies	<i>ICP-MS  USP&lt;730&gt;</i>
Arsenic(As)	≤2.0ppm	Complies	<i>ICP-MS  USP&lt;730&gt;</i>
Cadmium(Cd)	≤1.0ppm	Complies	<i>ICP-MS  USP&lt;730&gt;</i>
Mercury(Hg)	≤0.1ppm	Complies	<i>ICP-MS  USP&lt;730&gt;</i>
<b>MICROBIOLOGICAL</b>			
Total Plate Count	≤10,000cfu/g	Complies	<i>USP&lt;2021&gt;</i>
Yeast & Mold	≤300cfu/g	Complies	<i>USP&lt;2021&gt;</i>
E.Coli	Absent	Complies	<i>USP&lt;2022&gt;</i>
Salmonella	Absent	Complies	<i>USP&lt;2022&gt;</i>
Staphylococcus aureus	Absent	Complies	<i>USP&lt;2022&gt;</i>
<b>PACKING&amp;STORAGE</b>	Packed in a polyethylene lined corrugated package Stored in a well-closed container away from light, heat and moisture Net Weight: 25KG /drum		
<b>SHELF LIFE</b>	24months if sealed and stored properly		