



长沙纽萃普斯生物科技有限公司

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## Certificate of Analysis

<b>Product Name:</b>	Black Currant Extract	<b>Quantity:</b>	1kg
<b>Botanic Name:</b>	<i>Ribes nigrum L.</i>	<b>Mgf. date:</b>	2013-8-4
<b>Part used:</b>	Fruit	<b>Analysis Date</b>	2013-8-5
<b>Batch #:</b>	130809	<b>Report Date</b>	2013-8-9

Analysis Item	Specification	Result	Test Method
<b>Organoleptic Description</b>			
<b>Appearance</b>	Violet fine powder	Complies	Visual
<b>Odor</b>	Characteristic	Complies	Organoleptic
<b>Taste</b>	Characteristic	Complies	Organoleptic
<b>Assay</b>			
Sieve Analysis	100% pass 80 mesh	Complies	80 Mesh Screen
Loss on drying	≤5.0%	3.81%	105°C / 5hrs
Ash	≤5.0%	3.21%	600°C/ 3hrs
Anthocyanins	>5%	5.19%	HPLC
<b>Heavy Metals</b>			
Heavy Metals	<20ppm	Complies	Atomic Absorption
Arsenic (As)	<2ppm	Complies	Atomic Absorption
Cadmium(Cd)	<1ppm	Complies	Atomic Absorption
Lead (Pb)	<2ppm	Complies	Atomic Absorption
Mercury (Hg)	<0.1ppm	Complies	Atomic Absorption
<b>Microbiological Control</b>			
Total Plate Count	≤3000cfu/g	Complies	AOAC
Yeast & Mold	≤300cfu/g	Complies	AOAC
Salmonella	Absent/25g	Complies	AOAC
E.Coli	Absent/10g	Complies	AOAC
<b>Packing and Storage</b>			
Packing	25KG/Drum, Paper-drums and plastic-bags		
Storage	Store in sealed containers at room temperature, protect from light, moisture, oxygen.		
Shelf life	24 months		

Analyzed by:

Approved by: