

# Miracle Fruit Extract



## PRODUCT SPECIFICATION

### Freeze-dried miraculin

<b>Product name:</b>	Freeze dried miracle fruit
<b>Scientific name:</b>	<i>Synsepalum dulcificum</i>
<b>Common name:</b>	Miracle Fruit
<b>Appearance:</b>	Reddish powder
<b>Odour:</b>	Fruity
<b>Flavour:</b>	Turns sour taste to sweet (characteristic mode of action)
<b>Plant part used:</b>	Pulp extract from berries
<b>Country of origin:</b>	Ghana
<b>Active ingredient:</b>	Miraculin, 28kDa glycoprotein
<b>Moisture content:</b>	<2% (hygroscopic)
<b>Particle size:</b>	0.1 mm – 0.5 mm
<b>Isoelectric point:</b>	pH 9.0
<b>Molecular weight:</b>	28,000 Da

### Microbial Analysis Test Result

<b>Yeast and moulds</b>	Negative
<b>Total plate count</b>	Nil
<b><i>E. coli</i></b>	Negative
<b><i>Salmonella</i></b>	Negative

### Presentation

<b>Packaging:</b>	Polyethylene bags
<b>Storage:</b>	Keep dry and refrigerated 4°C