



海南中信化工有限公司
HAINAN ZHONGXIN CHEMICAL CO., LTD.

ZXCHEM [Http://www.zxchem.com.cn](http://www.zxchem.com.cn)

ISO9001:2000

CERTIFICATE OF ANALYSIS

Product and Batch Information	
Product Name	Ginger Extract
Botanical Source	<i>Zingiber officinale Rosc</i>
Part Used	Root
Solvent Used	Water & Ethanol
Batch No.	050520
Quantity	50kgs

Analysis	Specification	Result	Methods
Gingerols	5.0% Min	5.18%	HPLC
Physical Control			
Appearance	Light yellow powder	Complies	
Odor	Characteristic	Complies	
Taste	Characteristic	Complies	
Sieve Analysis	100% pass 80mesh	Complies	
Bulk Density	40-60g/100ml	52g/100ml	
Loss on Drying	5.0% Max	4.26%	
Chemical Control			
Sulphated Ash	5.0% Max	3.65%	
Heavy Metals	10ppm Max	Complies	
Lead	2ppm Max	Complies	
Arsenic	2ppm Max	Complies	
Microbiological Control			
Total Plate Count	1000/g Max	Complies	
Yeast & Mold	100/g Max	Complies	
E.Coli	Negative	Complies	
Salmonella	Negative	Complies	

General Information	
Conclusion	Conform to specification.
Storage	Keep in cool & dry place. Keep away from strong light and heat.
Shelf Life	2 years when properly stored.

Quality Control:

Analysis Date: May 24, 2005