



# N&R INDUSTRIES, INC

## CERTIFICATE OF ANALYSIS

Product name	Zeaxanthin	Country of Origin	China
Batch Size	1000kgs	Batch Number	20120206
Manufacture Date	Fer.06,2012	Expiry Date	Feb 5, 2014

Identifications	Standards	Results
Appearance	Yellow orange fine powder	
Zeaxanthin (HPLC)	$\geq 5.0\%$	5.28%
Extract Solvent	Ethanol & Water	Conforms
Powder Size	100% through 80 mesh	80 mesh
Residue on ignition	$\leq 5.0\%$	4.32%
Loss on drying	$\leq 5.0\%$	3.90%
Bulk Density	0.5~0.7(g/ml)	0.6(g/ml)
Heavy Metals	$\leq 10\text{ppm}$	<10ppm
As	$\leq 2\text{ppm}$	<2ppm
Iron	$\leq 10\text{ppm}$	<10ppm
Health inspection		
Total Aerobic	$\leq 1000\text{CFU/g}$	$\leq 1000\text{CFU/g}$
Mold and Yeast	$\leq 100\text{CFU/g}$	$\leq 100\text{CFU/g}$
E.coli	Non-detective	Non-detective
Salmonella	Non-detective	Non-detective

Conclusion: The product conforms with respect to the above specifications.

QC: Niu Lanlan

