



西安天本生物工程有限公司  
Xi'an Tianben Bio-Engineering Co., Ltd.

## CERTIFICATE OF ANALYSIS

Product Name	Black Pepper Extract Powder Piperine		
Batch No.	TBP140122	Manufacturing Date	2014-01-22
Butch Quantity	130KG	Date of Certificate	2014-01-15
Item	Specification		Result
Maker Compounds	Piperine		
Test Method	HPLC		
Assay	98%		98.15%
Organoleptic			
Appearance	Fine Powder		Conforms
Color	Light-Yellow		Conforms
Odor	Characteristic		Conforms
Taste	Characteristic		Conforms
Physical Characteristics			
Partical Size	Through 80 mesh		Conforms
Loss on Drying	≡ 0.5%		0.23%
Ash content	≡ 0.5%		0.10%
Bulk Density	50-60g/100ml		Conforms
Solvent Residue	Eur.Pharm		Conforms
Pesticide Residue	Negative		Negative
Heavy metals			
Total Heavy Metals	≤10ppm		Conforms
Arsenic	≤2ppm		Conforms
Lead	≤2ppm		Conforms
Microbiological Tests			
Total Plate Count	≤1000cfu/g		Conforms
Total Yeast & Mold	≤100cfu/g		Conforms
E.Coli.	Negative		Negative
Salmonelia	Negative		Negative
Staphylococcus	Negative		Negative
Statements			
Non-Irradiated, Non-GMO, Non-Allergen			
*Storage Condition: Store in tightly closed plastic bag and keep in a cool dry place. Do not freeze. Keep away from strong direct light.			
*Safety Precaution: Wearing of protective goggles or safety glasses is recommended. If accidentally instilled into the eyes, immediately rinse thoroughly with water and get medical care. Wash skin with soap and water.			
Analyzed by: Jinping Zhang		Aproved By: Lige Pu	



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