



# Xi'an Quanao Biotech Co., Ltd.

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## Certificate of Analysis

<b>Product Name</b>	Turmeric Root Extract Curcumin 95%		
<b>Plant Source</b>	Root	<b>Latin Name</b>	<i>Curcuma longa L.</i>
<b>Production Date</b>	2019-11-10	<b>Batch No.</b>	QC 20191110
<b>Expiry Date</b>	2021-11-09	<b>Report Date</b>	2019-11-16
<b>Original</b>			
<b>ITEMS</b>	<b>SPECIFICATIONS</b>		<b>RESULTS</b>
Appearance	Orange yellow Powder		Complies
Odor & Tasted	Characteristic		Complies
Identification	Positive by HPLC		
By IR spectrum	The IR spectrum of sample is concordant with that of standard.		
Total Curcuminoids Assay( % )	≥95.0 HPLC		95.8
Loss on Drying(%)	≤2.0		0.6
Ash ( % )	≤1.0		0.6
Compacted density ( g/ml)	0.5-0.8		0.63
Loose Bulk Density( g/ml)	0.3-0.5		0.42
Particle size(%)	NLT85% through 80 mesh sieves		Complies
<b>Heavy metals</b>			
Heavy Metal ( ppm )	≤10.0		Complies
Pb(ppm)	≤2.0		Complies
As(ppm)	≤2.0		Complies
Hg(ppm)	≤0.5		Complies
Cd(ppm)	≤0.1		Complies
Solvent Residues (ppm)	----		Complies
Pesticide Residue	Conform to EU regulation		Complies
<b>Microbiological Tests</b>			
Total Plate Count(cfu/g)	≤ 1000		Complies
Yeasts and Moulds(cfu/g)	≤ 100		Complies
E.coli ( cfu/g )	Absent		Complies
Salmonella	Absent/25 g		Complies
Conclusion	Conform to the standard.		
Packing	25kg/drum		
Storage and Handling	Store in a cool and dry place, keep away from direct strong and heat.		
Shelf life	Two years if sealed and store away from direct sun light.		

QC: Li Ting

QA: Tian Wen

