



WELGREEN TECHNOLOGY CO.,LTD

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CERTIFICATE OF ANALYSIS

Product	Turmeric Extract		
Batch No.	210313	Packing	25kg/drum
Botanic Name	Curcuma longa L.	Quantity	840KG
Part Use	Root	Product Date	2021/03/13
Standard	CP2015	Expiry Date	2023/03/12
Items & Results			
Item	Spec.		Result
Appearance	Orange yellow powder		Conforms
Odor & Taste	Characteristic		Conforms
Particle Size	95% through 80 mush		Conforms
Solubility	Soluble in ethanol acetone and glacial acetic acid		Conforms
Assay	Curcumin I		50.8%
	Curcumin II		18.6%
	Curcumin III		25.7%
	Curcuminoids $\geq 95.0\%$		95.16%
Loss on drying	$\leq 2.0\%$		0.86%
Ash Content	$\leq 1.0\%$		0.73%
Solvent Residue	$\leq 5000\text{ppm}$		3700ppm
Tap density	0.5-0.9 g/ml		0.58 g/ml
Bulk density	0.3-0.5 g/ml		0.37 g/ml
Heavy metals	$\leq 10\text{ppm}$		$< 10\text{ppm}$
As	$\leq 3\text{ppm}$		0.14ppm
Pb	$\leq 2\text{ppm}$		0.12ppm
Cd	$\leq 1\text{ppm}$		0.13ppm
Hg	$\leq 0.5\text{ppm}$		0.11ppm
TPC	$\leq 1000\text{cfu/g}$		260cfu/g
E.Coli	$\leq 30\text{MPN}/100\text{g}$		$< 3\text{MPN}/100\text{g}$
Yeasts&Mold	$\leq 100\text{cfu/g}$		34cfu/g
Staphylococcus	None		Not detected
Salmonella	None		Not detected
Conclusion	Conform to CP2015		
Analyst	马亮	Review	刘爱琴 主管 李敏

