



西安康诺化工有限公司
Kono Chem Co., Ltd

Certificate of Analysis

Product Name:	Bixin powder
Manufacture Date: 2024.01.15	Expiry Date: 2026.01.14
Batch No.:DR20240115	

Items	Specification	Results
Description	Dark purple to dark brown powder	Conforms
Solubility	Highly alkaline aqueous solutions	Conforms
Stability	PH: 5.0~13.0 Stable to light and heat	Conforms
Shade	Yellow to orange solutions depends on the dose	Conforms
Residue solvents	Not more than 50 mg/kg singly or in combination of acetone, methanol and hexane.	Conforms
Arsenic	$\leq 1\text{mg/kg}$	$< 1\text{mg/kg}$
Lead	$\leq 2\text{mg/kg}$	$< 2\text{mg/kg}$
Mercury	$\leq 1\text{mg/kg}$	$< 1\text{mg/kg}$
Cadmium	$\leq 1\text{mg/kg}$	$< 1\text{mg/kg}$
Heavy metals(Pb)	$\leq 10\text{mg/kg}$	$< 40\text{mg/kg}$
Total plate count	$\leq 1000\text{cfu/g}$	$< 1000\text{cfu/g}$
Mould	$\leq 100\text{cfu/g}$	$< 100\text{cfu/g}$
Yeast	$\leq 100\text{cfu/g}$	$< 100\text{cfu/g}$
Salmonella detection	Negative/25g	Conforms
Assay	$\geq 80\%$	87.82%
Remarks:	1) Bixin 80% is a natural food colorant obtained by solvent extractions of fresh annatto seeds(Bixa orellana). 2) Store in a cool dark room(5~15°C), avoid exposure to air, heat and light.	

Conclusion: The results conform with Enterprise standard.