

## QUALITY SPECIFICATION

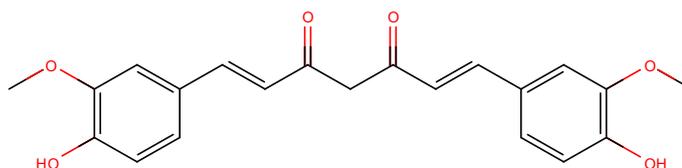
### Curcumin

Catalog No.: NST-10-97

CAS No.: 458-37-7

Molecular formula: C<sub>21</sub>H<sub>20</sub>O<sub>6</sub>

MW: 368.38



No.	Parameter	Specification	Method
1.	Appearance	Fine powder	Visual
2.	Color	Yellow orange	Visual
3.	Assay	≥95.0%	HPLC
4.	Odor	Characteristic	Organoleptic
5.	Taste	Characteristic	Organoleptic
6.	Sulfated ash	≤2.0 %	2g/525°C/3h
7.	Loss on drying	≤5.0 %	5g/105°C/2h
8.	Mesh size/sieve	NLT 85% pass 40 mesh	40 mesh
9.	Bulk density	NMT 0.8 g/ml	Density meter
10.	Pesticide residues	EC 396/2005	Third lab
11.	Benzo[a]pyrene	<10 ppb	HPLC
12.	Sum of PAHs	<50 ppb	HPLC
13.	Solvent residues	USP<467>	GC
14.	Heavy Metals	≤10 ppm	ICP-MS
15.	Lead	≤2 ppm	ICP-MS
16.	Arsenic	≤1 ppm	ICP-MS

17.	Mercury	≤0.1 ppm	ICP-MS
18.	Cadmium	≤1 ppm	ICP-MS
19.	TPC	Not more than 10 <sup>3</sup> CFU/g	ISO 6579:2002
20.	TYMC	Not more than 10 <sup>2</sup> CFU/g	ISO 6579:2002
21.	<i>Escherichia Coli</i>	Absent	ISO 6579:2002
22.	<i>Salmonella</i>	Absent	ISO 6579:2002
23.	<i>Staphylococcus aureus</i>	Absent	ISO 6579:2002

Storage: store in a cool & dry place, keep away from strong light and heat

Stability: 24 months when properly stored