



Specification

Curcumin

Catalog Number: CC1024
CAS Number: 458-37-7
C.I. Number: 75300
Synonyms: Natural Yellow 3(E,E)-1,7-bis(4-Hydroxy-3-methoxyphenyl)-1,6-heptadiene-3,5-dione; Diferuloylmethane
Molecular Formula: $C_{21}H_{20}O_6$
Molecular Weight: 368.39
Storage: 15°C – 30°C

Test	Specification
Description	Yellow to orange powder tasteless powder
Identification	Conforms to structure and standard
Loss on drying @ 105°C	5.0% maximum
Assay (on dried basis)	95% minimum
Solubility (10 mg/ml in ethanol)	Clear to hazy yellow to orange solution
Melting Point	183 Deg. C
UV-Vis Spectrum	Maximum absorbance at approx. 430nm
Visual Transition Interval	From pH 7.4 (yellow) to pH 8.6 (red) From pH 10.2 (red) to pH 11.8 (orange)

Approved:

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