

Curcumin - FOS Formulation



Description	Specification	Method
Physical Characteristics		
Identification	Yellow Powder	Visual
Colour	Yellow	Visual
Appearance	Powder	Visual
Powder Nature	Hygroscopic	Visual
Flavour/Odour	Characteristic	Organoleptic
Analytical		
Solubility	Water (Sparingly Soluble)	In House Method
Dispersibility	Good	In House Method
Moisture (NMT)	7.0 %	By Karlfisher
Bulk Density	0.5-0.6/ (0.555)	As per USP
Actives		
Curcumin (Curcuminoids)	NLT 32.0 %	HPLC, As per USP
FOS	NLT 58.0 %	HPLC RI

Product Application

Curcumin-FOS (TurmiFOS) is free flowing and highly dispersible in water. Hence it is suitable for making functional foods and beverages. Since this nutraceutical ingredient contains ~32% curcuminoids with higher solubility and dispersibility than native curcumin it is also suitable for dietary supplement products. Fructo-oligosaccharides (FOS), a prebiotic has shown numerous health promoting effects like it improves calcium absorption and is a good source of fibre.

Following health benefits are well known associated with Curcumin and FOS.

Curcumin Known for

- Antioxidant
- Anti-inflammatory
- Anti angiogenic
- Good health and overall wellness

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- Prebiotic Fiber
- Promotes Calcium Absorption
- Low GI
- Source of Fiber
- Gut & Digestive health

Possible application Curcumin-FOS as nutraceuticals for wellness product given below

- Functional Foods
- Functional Beverages
- Dairy application
- Candy



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