

PRODUCT DATA SHEET

Trade Name: ShieldBiso™ A PLUS

INCI Name: Diethylamino Hydroxybenzoyl Hexyl Benzoate

CAS: 302776-68-7

Description

Diethylamino hydroxybenzoyl hexyl benzoate (DHHB) is an organic compound used in sunscreens to absorb UV A radiation, it has an absorption maximum of 354 nm. DHHB has excellent photostability and compatibility with other UV absorbers and other cosmetic ingredients. DHHB has been approved for the use in sunscreens in the European Union since 2005 with a maximum of 10 per cent and is also approved in South America, Mexico, Japan. In the United States it can be used for product protection.

Quality Parameters

Appearance	Light yellow to white solid
Odour	Weakly characteristic odour
Assay (HPLC) %	98.0 – 105.0
Loss on drying %	0.5 max
Identification (UV) nm	352 - 356
Color Gardner (in a molten manner)	8.2 max
Specific Absorption (E1/1), (354nm in ethanol)	910 - 940
Bulk Density (g/ml)	0.58 - 0.70
Melting point °C	54.0 min
Heavy metals (ppm)	5.0 max



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Storing

Store in a dry and cool place, sealed and valid for 2 years.

Package

25kg / drum