



Paramount Minerals and Chemicals Limited

(An ISO 9001- 2000 Certified Company)

Parawhite HTSX Powder

Optical Brightener for Detergents & Soaps

Chemical Description	Biphenyl Derivative
Formula	C₂₈H₂₀S₂O₆Na₂
Molecular Weight	562.60 (As per International relative Atom Mass 1997)
Max UV Absorption Spectrum	348um±1um
Extinction Value	0.829-0.885
1% Extinction Index	1105-1181
Ionicity	Anionic
Shade	Bluish Shade
Substantivity	Good
Form supplied	Yellow free flowing Powder
Odor	Odorless
Bulk Density	0.50-0.85
pH value 1% aqueous solution at 25-30 deg C.	7.0-9.50
Storage stability	2 years on storing in cool, dry and ventilated place.
Recommended for Use	In the detergent and soaps industry

Property

Parawhite HTSX Powder is a twin cinnamene biphenyl. It is the most efficient and preferred Optical Brightener for use in the global detergent industry. Soluble in water it has close to 3 times the white effect on cotton fabric relative to standard Diphenylethylene twin triazine derivatives and has a pronounced optical blue hue. It is excellent to dissolve and disperse. It is extremely stable to sodium hypochlorite and is one of the only bleaching resistant Optical Brightener.

Recommended Usage Procedure

1. It can be added in any procedure of the process of synthetic detergent and soaps. Excellent effect can be obtained if the product is used in conjunction with Parawhite DMS Conc Powder or Parawhite HK Powder.
2. Recommended dosage is as follow:
 Conventional washing powders:0.005-0.03% soaps:0.01-0.05%
 Concentrated washing powders:0.01-0.05% soft agent of fabric fiber:0.01-0.05%
 Liquid detergents :0.02-0.06% washing syrup:0.005-0.02%

Package: In 25 kg or 500 kg palletized HDPE bags