



BTC 95

Product Description:

BTC95 is a quaternary ammonium salt compound that effectively improves the dry/wet combability of hair as a potent hair conditioner. BTC 95 is a high-purity powder product with good solubility, easy to use, and good compatibility with anionic surfactants. It can be used in transparent shampoo.

INCI Name (US):

BEHENOYL PG-TRIMONIUM CHLORIDE

Product characteristics and efficacy:

Physical property	Date
Appearance	Pale Yellow powder
Active Content %	≥ 99.0
Free amine %	≤ 1.5
Free fatty acids %	≤ 1.0
Water%	≤ 1.0
PH Value (1.0% solution)	4.0-7.0

*Strong hair conditioner

*Effectively improving the combing properties of wet and dry hair, enhancing softness and good anti-static performance;

*Easy to apply to formulas and can be used as transparent shampoo;

*Low residue and low irritation

Application:

*Shampoo products: reference dosage: 0.30-0.80%

Non transparent shampoo: Disperse according to the conventional process and add to the pot, stirring evenly

Transparent shampoo: Cold disperse BTC 95 and glycerol (or propylene glycol) in a ratio of 1:2.5,



stir and heat until transparent, add to hot water, and add other ingredients after transparency.

*Hair care products: reference dosage: 0.50-3.0%

Formula application:

Hair care products: hair conditioner, hair mask, baking cream, color toning baking oil

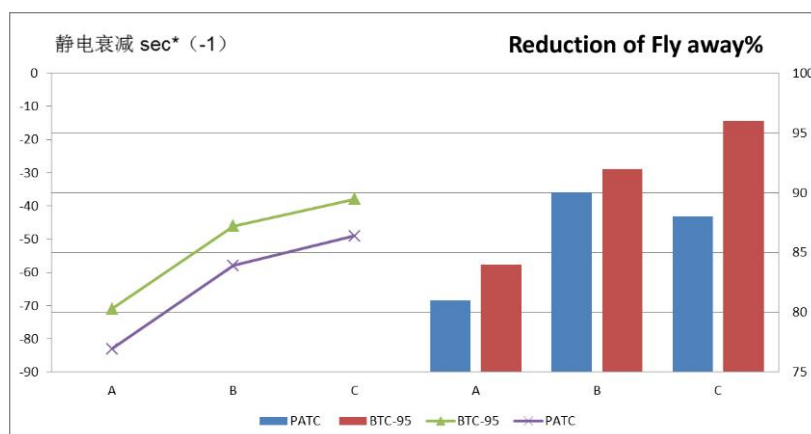
Shampoo/Transparent Shampoo

Performance evaluation

*Performance of test BTC95 and PATC in different concentrations of wash care products (as shown in the table below)

Comparison group / trade name	BTC95	PATC
INCI name	BEHENOYL PG-TRIMONIUM CHLORIDE	PALMITAMIDOPROPYLTRIMONI UM CHLORIDE
A	0.3	0.6
B	0.6	1.5
C	1.2	2.0

*result:



Refer to formula

trade name	INCI Name	%
Water	Water	61.62
JR400	POLYQUATERNIUM-10	0.28



Plant Chain

Technical Data Sheet

EDTA-4Na	EDTA-4Na	0.05
CITRIC ACID	CITRIC ACID	0.18
DioKat® BTC95	BEHENOYL PG-TRIMONIUM CHLORIDE	0.38
GLYCERIN	GLYCERIN	2
CAB	COCAMIDOPROPYL BETAINE	6
MES-A30	DISODIUM LAURETH-3 SULFOSUCCINATE	10
CMEA	COCAMIDE MEA	1.6
Texapon N70	SODIUM LAURETH SULFATE	10
DioKat® 300PR Polymer	POLYQUATERNIUM-30	2.0
DioEster® OSL	SODIUM ISOSTEAROYL LACTYLATE/PPG-3 CAPRYLYL ETHER	1.0
PO65	COCO-GLUCOSIDE&GLYCERYL OLEATE	0.8
DioPotin® KQ220	HYDROLYZED KERATIN	0.8
PCA-Na	PCA-Na	0.8
MIT	METHYLISOTHIAZOLINONE	0.05
POE	PHENOXYETHANOL	0.4
PANTHENOL	PANTHENOL	0.10
CHRYSANTHELLUM INDICUM EXTRACT	CHRYSANTHELLUM INDICUM EXTRACT	0.1
CO40	PEG-40 HYDROGENATED CASTOR OIL	0.5
Aromatherapy agent	-	0.5

Packaging and storage:

30kg/bucket; Keep in a ventilated, cool place.