

ZENIGLOSS® Q

TECHNICAL DATA SHEET

TDS IP70902 Rev. 4 Oct 2018

Zenigloss® Q a natural branched polymer derived from castor oil. This high molecular weight cationic polymer provides substantive conditioning and gloss to hair, making it ideal for conditioners. It performs very effectively on damaged (colour treated, permed, or bleached) hair, and is a very good detangler. Zenigloss® Q is an extremely mild polymer and can be used for body washes, skin and hair care applications. In 2 in 1 shampoo, Zenigloss® Q has been found to outperform conventional silicone-based ingredients in both wet and dry comb performance, as well as gloss providing shine to the hair.

KEY FEATURES AND BENEFITS

100% Active
Substantive condition to hair with no build up
Compatible with anionic systems
No reduction in foam
Improved gloss to coloured & damaged hair
Conditioner & detangler
Rich texture & ease of application
Good wet & dry combability
Aids in colour retention on treated hair
Extremely mild

TYPICAL PROPERTIES [NOT A SPECIFICATION]

Appearance @ 25° C: Clear Yellow Liquid

Odour: Typical mild fatty
Colour (Gardner): 10 Max

Acid Value (mg KOH/g): 32 Max
Refractive Index @ 25 °C: 1.47 to 1.49
Average Molecular Weight (Da): 4,800

STANDARD PACKAGING

Zenigloss® Q is available in 16 kg pails

APPLICATIONS

Skin Care: Moisturizing creams. Sun Care: Sunscreen lotions.

Hair Care: Rinse-off and Leave-In Conditioners, Detanglers, Gloss sprays, rinses, baby and 2:1

shampoo.

Nail Care: Polish removers.

Typical Use Levels: 0.4 to 4.0 %

COMPLIANCE INFORMATION

INCI Name: Polyquaternium-57

CAS Number: Refer to SDS EC Number: Refer to SDS

For detailed Global Designations consult SDS.







TC USA Inc.

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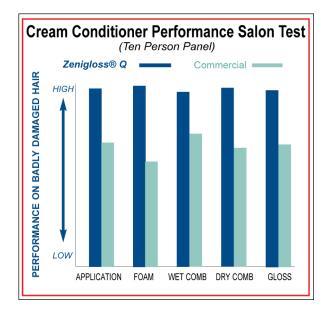
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Cream Conditioner Results

Identical formulas where;

"commercial" type product formulation uses Cetrimonium Chloride.

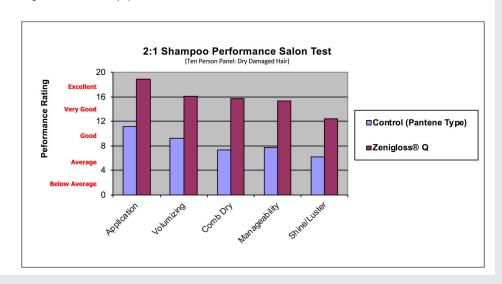
"TC USA" formula uses Zenigloss® Q (Polyquaternium-57).

Use level on both formulas: 3.0%

2:1 Conditioning Shampoo

Identical formulas where;

"commercial" type product formulation uses Panthenol (Pro Vitamin B5) at 0.2% "TC USA" formula uses Zenigloss® Q (Polyquaternium-57) at 0.4%.



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