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**ELEMENTIS**

SPECIALTIES

## BABY LOTION WITH NANOX™ 500

### REF- KR4/042

Baby Lotion containing NANOX™ 500, high surface area Zinc Oxide.

#### Advantages

The presence of NANOX™ 500 high surface area Zinc Oxide in this system:

- Adds improved benefits of Zinc Oxide BP/EP/USP, related to the higher surface area

Ingredient	Supplier	% w/w
<b>NANOX™ 500, high surface area Zinc Oxide</b>	<b>ELEMENTIS Specialties</b>	<b>5.0</b>
Steareth-10	Goldschmidt	1.5
Mineral Oil	Petrochem UK	20.0
Cetearyl Alcohol	Goldschmidt	0.5
Glyceryl Stearate	Goldschmidt	1.5
2-Bromo-2-Nitropropane-1, 3-Diol	Jan Dekker International	0.02
Polyaminopropyl Biguanide	Avecia	0.75
Cetrimonium Bromide	Merck	0.5
Sodium Citrate	S. Black	0.1
Demineralised Water		70.13
<b>Colour – D&amp;C RED # 33</b>	<b>QUANTUM COLOURS</b>	<b>QS</b>

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## Method of Manufacture

1. Place Mineral Oil, Steareth-10, Cetearyl Alcohol, and Glyceryl Stearate into a vessel and heat to 73°C.
2. Add NANOX™ 500 with silverson homogenising.
3. In a separate vessel add Cetrimonium Bromide and Sodium Citrate to the Demineralised Water and heat to 75° C.
4. Slowly add the oil phase to the water phase with silverson homogenising, add the colour and continue mixing for 20 minutes.
5. Cool slowly, using a propeller stirrer, to 35°C.
6. Add Polyaminopropyl Biguanide and 2-Bromo-2-Nitropropane-1. 3-Diol, and stir till homogenous

N.B.

Please refer to the Product Data Sheets for additional advice on incorporation.

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