



24 hr Waterproof Mascara

Formula#: NSL11-87-3

Phase	Trade Name	Supplier	%
A	SP 96	Strahl & Pitsch	4.80
A	SP 272	Strahl & Pitsch	2.0
A	Asensa CL 300	Honeywell	4.80
A	Ganex V220	ISP	5.80
A	SP422	Strahl & Pitsch	4.4
A	SP 63	Koster Keunen	4.0
A	Sylvatac 85	Arizona	3.6
A	Permethyl 99A	Presperse	13.85
A	Belsil TMS	Wacker	7.0
B	NS MGel 1199	Next Step Lab	26.0
C	Water	God	16.0
C	Generic	Any	0.25
C	AMPD	Angus	0.50
D	Midnight Black Chips	Sensient	5.0
	NS Black Iron Oxide	Next Step Lab	0.50
E	NS NexCide PB	Next Step Lab	1.5

Manufacturing Procedure

Tank: Steam jacketed vessel equipped with internal homogenizer and sweep blades

- Heat phase A to 90-95°C and sweep mix until waxes are melted and homogeneous
- Add Phase B (NS Gel) to phase A with homogenization. Homomix for at least 45 minutes then check a sample between two slides to make sure the gel is completely dispersed
- In a separate tank equipped with a homomixer or external colloid mill add phase C and heat to 75°C
- Add phase D to phase C and homomix for 15 minutes
- Add phase DC to phase AB **very slowly** while homomixing at medium speed and sweep mixing at medium speed.
- Homomix and sweep at 80°C for 30 minutes
- Start cooling slowly while homomixing and sweep mixing
- Cool to 70°C and add phase E while homomixing and sweep mixing

- Continue mixing until 60°C and turn off homomixer
- Continue sweep mixing and cooling slowly until 35°C.
- Drop the batch at 35°C.