

ZYTERGE BASE PW

DESCRIPTION

ZYTERGE BASE PW is a proprietary blend of high molecular weight polymeric surfactant along with low molecular weight non ionic surfactants for effective cleaning, suspension without re-deposition of indigo dyes and size particles during denim garment washing.

PRODUCT ATTRIBUTES

- **ZYTERGE BASE PW** effectively micro cleans the un-reacted Indigo dyes/ Sulphur dyes/ starch/ size particles released during enzyme washing of denim garments.
- **ZYTERGE BASE PW** has been engineered with surfactants to work with Cellulase and Amylase types of enzymes at pH 4.5 – 7.5 and up to 60 °C washing which gives best of the result.
- Unique block structure of **ZYTERGE BASE PW** results into large bowl type action post cleaning. This allows **ZYTERGE BASE PW** to encapsulate the suspended dye and size particles (even in hard water washing conditions) and ensures excellent anti re-deposition property even at low liquor ratio 1:3.
- **ZYTERGE BASE PW** effectively prevents back staining of dyes on the garment (improved washed look) and on pocket fabric (improved whiteness of polyester/Cotton blend and Cotton) thereby giving better appeal to the garment.
- **ZYTERGE BASE PW** improves the overall quality of the washed garment in terms of fullness, wet/ dry rub, feel, dimensional stability, retain the stretch by Lycra, etc.
- **ZYTERGE BASE PW** has good compatibility with all types of enzymes and low foaming tendency which helps in high speed washing condition.
- **ZYTERGE BASE PW** by assuring better cleaning and re-deposition of un-reacted indigo ensures lower yellowing tendency of the denim garments due to ozone effect.

TECHNICAL DATA

FORM	
Color	Pale brown
Physical Form	Solid at 30°C
Solid content	98 ± 2%
Nature	Non-ionic

SOLUTION MAKING PROCEDURE

Preparation of 20% solution

The product **ZYTERGE BASE PW** is also available in 20%, 30%, 50% and 75% ready to use form. For making 20% solid product, take **ZYTERGE BASE PW** 20 parts and water 80 parts. Following procedure may be followed:

- Take **ZYTERGE BASE PW** in a vessel and heat it up to 90-100 °C using either by electric heater /gas burner /oil bath /water bath.
- In other vessel take water (less than 250 ppm hardness) and keep it under stirring condition.
- To the above water under stirring, add molten **ZYTERGE BASE PW** slowly.
- Keep it under stirring till solution becomes homogenous.
- Cool it down to room temperature and 20% solution is ready to use.

One can put HMHDPE barrel/ carbouy in hot water and then decant the solid product after slight melting. Alternatively, around the belly of the MS/ HMHDPE barrel one can put a thermal heating belt for melting the product and also decant into hot water.

APPLICATION PROCEDURE

Cellulase / Amylase Enzyme	: Recommended by Enzyme manufacturer
MLR	: 1:3 to 1:8
pH	: Maintain 4.5 to 7.5 (Depend on Enzyme)
Temperature	: 40 - 60 °C (Depend on Enzyme)
ZYTERGE BASE PW (20%)	: 0.7 – 1.5 % o.w.g.
Time	: 30 - 60 minutes (Depend on Enzyme)

Deactivate the enzyme at 70°C for 10 minute in water wash.

PACKING SIZE

For 50%, 75% and 100% product

- 200 kgm in epoxy coated MS barrels/ 200 kgm in open mouth or bung HMHDPE barrels
- 50 kgm open mouth HMHDPE barrels.

For 20% and 30% product

- 35 kgm narrow mouth HMHDPE barrels.

STORAGE & SHELF LIFE

- At temperature above 40°C, **ZYTERGE BASE PW** has sticking tendency.
- Keep drums of **ZYTERGE BASE PW** in a cool shade.
- Do not store in direct sunlight or at a temperature higher than 40 °C.
- Minimum shelf life is 12 months.

DISCLAIMER

The information & data contained herein are given in good faith but without warranty. We recommend that before using our products, the customer should make his/her own tests to determine the suitability of the products for his/her own purpose under his/her operating conditions. As the circumstances under which our products are stored, handled and used are beyond our control, we cannot assume any responsibility for their use by the customers.

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