

TULSION[®] MB-1518

“MIXED ION EXCHANGE RESIN FOR HIGH PURITY WATER PRODUCTION”

TULSION[®] MB –1518 is a mixture of strongly acidic cation exchange resin **TULSION[®] T-42 (NS)** in Hydrogen form and a strongly basic anion exchange resin **TULSION[®] A-24 OH** in Hydroxide form in 1:1.5 volumetric ratio.

TULSION[®] MB –1518 is ready to use mixed bed resin recommended for production of high purity water.

Individual cation and anion exchange resins used in **TULSION[®] MB –1518** are manufactured by a specially developed process in which use of any chlorinated hydrocarbon solvents responsible for higher level of organic impurities in final resin is completely eliminated. Thus, Tulsion MB-1518 has absolutely minimum levels of ionic, non-ionic and organics impurities resulting into high quality of treated water. Volumetric ratio of anion to cation exchange resin is optimized to achieve maximum removal of boron, silica & other sensitive ions which are tough to remove.



TYPICAL CHARACTERISTICS – TULSION[®] MB - 1518

	TULSION [®] T-42 (NS)	TULSION [®] A-24 OH
Type	Strong acid Cation exchange resin	Strong base Anion exchange resin
Volume ratio	1.0	1.5
Matrix Structure	Styrene divinyl benzene copolymer	Cross linked polystyrene
Functional Group	Sulphonic Group	Quaternary ammonium Type I
Physical Form	Moist spherical beads	Moist spherical beads
Ionic form supplied	Hydrogen	Hydroxide
Conversion %	99 % min in H form	90 % Min.in OH form
Uniform coefficient	1.6 max	1.6 max
Total exchange capacity	1.8 meq/ml Min.	1.0 meq/ml Min.
Moisture Content %	45- 51%	68 ± 3%
pH range	0 to 14	0 to 14
Chlorides	Not applicable	< 0.3%
Temperature stability	120°C	80°C
Backwash settled density	800 to 840 gms/ltr	670 to 710 gms/ltr

TESTING

The sampling and testing of ion exchange resin is done as per standard testing procedures, namely ASTM D-2187 and IS-7330,1998.

PACKING

Super Sack	1000 lit	Super Sack	35 cft
MS drums	180 lit.	Fiber Drums	7 cft
Air tight container with HDPE bag	25 lit.	HDPE Lined Bags	1 cft

For Handling, Safety and Storage requirements please refer to the individual Material Safety Data Sheets available at our offices. The data included herein are based on test information obtained by Thermax Limited. These data are believed to be reliable, but do not imply any warranty or performance guarantee. Tolerances for characteristics are per BIS/ASTM. We recommend that the user should determine the
For further information, please contact: chemicals@thermaxindia.com



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In view of our constant endeavour to improve the quality of our products, we reserve the right to change their specifications without prior notice