



Aseptox[®] 35

Food Grade Hydrogen Peroxide
for Aseptic Packaging Applications

Technical Data Sheet

Aseptox® 35

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APPLICATIONS

Aseptox® 35 is specifically formulated for aseptic packaging processes using a bath of H₂O₂ generally heated between 60 & 80 °C, in which the packaging is immersed (Tetra Pak machines). Aseptox® 35 is also used as a sanitizing rinsing solution for tanks & food processing equipment in the brewery, dairy, beverage, juice & ice-cream industries.

Aseptox® 35 purity conforms to purity levels specified by the EU Pharmacopoeia and Tetrapak.

SPECIFICATIONS

Aseptox® 35 is an optimized mix of special stabilizers and high purity Hydrogen Peroxide. Commercial specifications for Aseptox® 35 are given as under:

PARAMETER	Aseptox® 35 LIMITS	REFERENCE
Appearance	Clear, Colorless	ASTM E2680 - 9e1
H ₂ O ₂ Content (% by Weight)	35.1	NFT 20-551
pH (pH unit)	2 ~ 4	NFT 20-554
Density at 20 °C (g/l)	1.132 min	ASTM D3505
Stability, % H ₂ O ₂ loss after 16 hrs at 96 °C	2.0 max	NFT 20-555
Stability, % H ₂ O ₂ loss after 120 hrs at 80 °C	2.0 max	NFT 20-555
Acidity as H ₂ SO ₄ , % wt	0.02 max	NFT 20-553
Phosphate as PO ₄ (mg/kg)	50 max	Spectrophotometrically
Chloride (mg/kg)	1.0 max	NFT 20-552
Dry residue at 110 °C (mg/kg)	100 max	Gravimetry
Conductivity (µS/cm)	130 min	ASTM D1125

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BENEFITS AND FEATURES

STABILITY: Aseptox® 35 is formulated to provide a high degree of stability, which minimizes the decomposition of Hydrogen Peroxide in the sterilization bath, even at high temperatures (80 °C) and with the accumulation of impurities from the packaging material. Each batch is passed through a 120 hour stability check which ensures that the concentration of Hydrogen Peroxide in the tank of the filling machine does not drop below 30% w/w during at least 120 hours of machine operation (e.g. 1 week of production on 3 shifts).

PURITY: Aseptox® 35 is produced with distilled Hydrogen Peroxide to provide a product with a high level of purity and consistent quality. It has the right combination of stabilizers to perform disinfection of packing material. The stabilizers are added in accordance with the requirements of aseptic packaging equipment producers and with the purity standard of European Pharmacopoeia.

OPERATIONAL EASE: Aseptox® 35 gives minimal residue deposition on hot squeegee rollers & spray nozzles which maintains regular operation time between cleaning cycles.

QUALITY AND CERTIFICATES

- Aseptox® 35 purity conforms to purity levels specified by European Pharmacopoeia and Tetra Pak
- ISO 9001:2008
- HALAL certified as per Islamic Law and Pakistan Halal Food Management System PS 3733:2010

SHELF LIFE

- Best before 1 year from date of manufacturing.

STORAGE, HANDLING & SAFETY

- Store in well ventilated & shaded areas
- Wear safety rubber gloves, boots & face shield
- Wash equipment and hands with water and detergent thoroughly after use
- Never return unused Hydrogen Peroxide to original container
- Empty cans should be rinsed with water before discarding
- Do not store H₂O₂ drums on wooden pallets or near combustible materials
- In case of contact with skin and eyes, immediately wash with plenty of water
- Handle spills by dilution with water. Extinguish fire with water

AVAILABILITY

- 30Kg PE Jerry Cans
- IMT IBC's & Bulk Delivery
- Bulk delivery via dedicated tank-tankers with in Pakistan

SHIPPING CONSIDERATIONS

- Hazardous Warning Signs: Oxidiser 5.1, Corrosive 8.0
- UN2014, IMCO Class 5.1, Packing Group II



Descon Oxychem Limited