

Durox[®] HTP Grade

CAS NO 7722-84-1

Introduction

Durox[®] HTP Grade Hydrogen Peroxide is a high purity product produced from an electronics grade feedstock and formulated with an inorganic stabilizer system for high stability. This specialized product has very low residue and is the most suitable grade available for vapor sterilization processes such as aseptic packaging or medical device sterilization.

<u>Specifications</u>	25%	35%
H ₂ O ₂ content, % by weight		
Product diluted at FMC sites	25.0 - 26.0	35.0 - 36.0
Stability, 24 hours @ 100° C	98.0%	98.0%
	<u>Approximate Values</u>	
	25%	35%
<u>Typical Properties</u>		
Loss in % assay, 1 yr, 25° C	<1.0	<1.0
Apparent pH	1.0 - 3.0	2.5 – 4.0
Sn	1 - 2 mg/L	1 - 2.9 mg/L
Active oxygen content, %	13.2	16.5
Specific gravity (20° C/68° F)	1.09	1.13
Lbs/gal (kg/M ³ or g/L) @ 20° C	9.1(1091)	9.4(1126)
Boiling point, ° C (° F)	105(221)	108(226)
Freezing point, ° C (° F)	-19.5(-3.1)	-33(-27)
Total Organic Content	10 mg/L	12 mg/L

Standard Containers

Polyethylene drums: 15 gallon (56.8 liter), 30 gallon (113.6 liter), 55 gallon (208.2 liter). Bulk shipments are available in tank trucks and tank cars.

Hydrogen peroxide above 8% concentration is classified as an "Oxidizer" by the Department of Transportation and all containers must carry the yellow DOT label.
