



# 1,4-Dioxane

Synonyms:

diéthylène Oxyde

OCH<sub>2</sub>CH<sub>2</sub>OCH<sub>2</sub>CH<sub>2</sub>

Classification

Danger

Molecular weight

88.11 ONU

1165



CAS

123-91-1 Transport hazard class:

3

EEC-N:

204-661-8 Packing

II

1,4-Dioxane

> RPE - Pour analyse - ACS - Reag.Ph.Eur. -  
Reag.USP - Stabilisé au BHT

Grade Analytique

Description	Clear liquid	-
Colour	<= 20	APHA
Identification (I.R.)	Positive	-
Identification (GC)	Positive	-
Water miscibility	Conform	-
Density d <sub>20</sub> /4	1.032 - 1.036	-
Refractive index at 20°C	1.4194 - 1.4254	-



**1,4-Dioxane****> RPE - Pour analyse - ACS - Reag.Ph.Eur. -  
Reag.USP - Stabilisé au BHT****Grade Analytique**

Boiling point	100.5 - 101.5	?C
Freezing point	11.5 - 12.1	?C
Water (K.F.)	<= 200	ppm
Residue on evaporation	<= 10	ppm
Acetal	<= 50	ppm
Acidity (acetic acid)	<= 50	ppm
Alcalinity (NH3)	<= 3	ppm
Carbonyl compounds (as CO)	<= 100	ppm
Heavy metals (as Pb)	<= 0.1	ppm
Peroxide (as H2O2)	<= 30	ppm
Cd	<= 0.05	ppm
Cu	<= 0.1	ppm
Fe	<= 0.1	ppm
Ni	<= 0.1	ppm
Pb	<= 0.1	ppm
Assay (GC)	>= 99.8	%
Stabilized with BHT	~ 5	ppm
Readily carbonizable substances	Conform	-
Description	Clear colourless liquid	-
Identification	Positive	-



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Reag.USP - Stabilisé au BHT****Grade Analytique**

Density d20/4	1.032 - 1.036	-
Refractive index at 20°C	1.4194 - 1.4254	-
Boiling point	100.5 - 101.5	?C
Freezing point	11.5 - 12.1	?C
Water (K.F.)	<= 500	ppm
Non volatile residue (without stab.)	<= 20	ppm
Acetal	<= 50	ppm
Acidity	<= 0.0016	meq/g
Total phosphorus	<= 0.1	ppm
Total silicon	<= 0.05	ppm
Total sulphur (S)	<= 0.2	ppm
Ca	<= 0.5	ppm
Cu	<= 0.02	ppm
Fe	<= 0.2	ppm
K	<= 0.1	ppm
Mg	<= 0.05	ppm
Na	<= 0.5	ppm
Pb	<= 0.05	ppm
Zn	<= 0.2	ppm
Assay (GC)	>= 99.8	%



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Reag.USP - Stabilisé au BHT****Grade Analytique**

Peroxide (as H <sub>2</sub> O <sub>2</sub> )	<= 50	ppm
Carbonyl compounds (as HCHO)	<= 100	ppm

ID	Size	Packaging
000000000000443205	210 kg	Fût métal
000000000443201000	28 kg	Fût métal
000000000443202000	1 l	Flacon verre
000000000443206000	2.5 l	Flacon verre



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