

DI1289 1,4-Dioxane, ExpertQ®, for analysis, ACS, ISO, Reag. Ph Eur, stabilized with 2,5 ppm of 2,6-Di-tert-butyl-4-methylphenol (BHT)

assay (G.C.) min. 99,5 %
identity (IR-spectrum) passes test
density (20°/4°) 1,032 - 1,034
density (20°/20°) 1,034 - 1,036
colour (Hazen) max. 10
melting point min. 11,0°C
acidity max. 0,0008 meq/g
aluminium (Al) max. 0,5 ppm
barium (Ba) max. 0,1 ppm
boron (B) max. 0,02 ppm
cadmium (Cd) max. 0,05 ppm
calcium (Ca) max. 0,5 ppm
chromium (Cr) max. 0,02 ppm
cobalt (Co) max. 0,02 ppm

copper (Cu) max. 0,02 ppm
iron (Fe) max. 0,1 ppm
lead (Pb) max. 0,1 ppm
magnesium (Mg) max. 0,1 ppm
manganese (Mn) max. 0,02 ppm
nickel (Ni) max. 0,02 ppm
tin (Sn) max. 0,1 ppm
zinc (Zn) max. 0,1 ppm
acetaldehyde (G.C.) max. 0,005 %
formaldehyde (G.C.) max. 0,05 %
peroxides (as H₂O₂) max. 0,005 %
carbonyl compounds (as HCHO) max. 0,01 %
residue on evaporation max. 0,001 %
water (K.F.) max. 0,05 %

ART. NO.	VOLUME	CONTAINER
DI12891000	1 l	0
DI12892500	2,5 l	0
DI1289005L	5 l	0

DI1290 1,4-Dioxane, dried (max. 0,005% H₂O), ExpertQ®, for analysis, stabilized with 2,5 ppm of 2,6-Di-tert-butyl-4-methylphenol (BHT)

assay (G.C.) min. 99,5 %
identity (IR-spectrum) passes test
density (20°/4°) 1,032 - 1,034
colour (Hazen) max. 10
acidity max. 0,0008 meq/g
melting point min. 11,0°C
aluminium (Al) max. 0,5 ppm
barium (Ba) max. 0,1 ppm
boron (B) max. 0,02 ppm
cadmium (Cd) max. 0,05 ppm
calcium (Ca) max. 0,5 ppm
chromium (Cr) max. 0,02 ppm
cobalt (Co) max. 0,02 ppm
copper (Cu) max. 0,02 ppm

iron (Fe) max. 0,1 ppm
lead (Pb) max. 0,1 ppm
magnesium (Mg) max. 0,1 ppm
manganese (Mn) max. 0,02 ppm
nickel (Ni) max. 0,02 ppm
tin (Sn) max. 0,1 ppm
zinc (Zn) max. 0,1 ppm
acetaldehyde (G.C.) max. 0,005 %
formaldehyde (G.C.) max. 0,05 %
peroxides (as H₂O₂) max. 0,005 %
carbonyl compounds (as HCHO) max. 0,01 %
residue on evaporation max. 0,001 %
water (K.F.) max. 0,005 %

ART. NO.	VOLUME	CONTAINER
DI12901000	1 l	0

DI1298 1,4-Dioxane, standard substance for GC

assay 99,9%
over ramp 40°C, 5°C/min 120°C, 30°C/min 200°C
identity IR

ART. NO.	VOLUME	CONTAINER
DI12980005	5 ml	0

DI1288 1,4-Dioxane, 99,5%, anhydrous (max. 0,005% H₂O), stabilized with 2,5 ppm of 2,6-Di-tert-butyl-4-methylphenol (BHT)

assay (G.C.) min. 99,5 %
identity (IR-spectrum) passes test
density (20°/20°) 1,034 - 1,036
colour (Hazen) max. 10
acidity max. 0,0008 meq/g
melting point min. 11,0 °C
aluminium (Al) max. 0,5 ppm
barium (Ba) max. 0,1 ppm
boron (B) max. 0,02 ppm
cadmium (Cd) max. 0,05 ppm
calcium (Ca) max. 0,5 ppm
chromium (Cr) max. 0,02 ppm
cobalt (Co) max. 0,02 ppm
copper (Cu) max. 0,02 ppm

iron (Fe) max. 0,1 ppm
lead (Pb) max. 0,1 ppm
magnesium (Mg) max. 0,1 ppm
manganese (Mn) max. 0,02 ppm
nickel (Ni) max. 0,02 ppm
tin (Sn) max. 0,1 ppm
zinc (Zn) max. 0,1 ppm
acetaldehyde (G.C.) max. 0,005 %
formaldehyde (G.C.) max. 0,05 %
peroxides (as H₂O₂) max. 0,005 %
carbonyl compounds (as HCHO) max. 0,01 %
residue on evaporation max. 0,0005 %
water (K.F.) max. 0,005 %

ART. NO.	VOLUME	CONTAINER
DI12880100	100 ml	0
DI12880500	500 ml	0
DI12881000	1 l	0

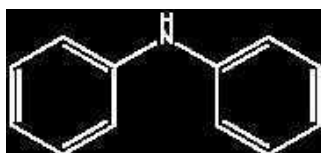
DI1294 1,4-Dioxane, 99%, anhydrous (max. 0,005% H₂O), with molecular sieves, stabilized with 2,5 ppm of 2,6-Di-tert-butyl-4-methylphenol (BHT)

assay (G.C.) min. 99 %
identity (IR-spectrum) passes test
density (20°/4°) 1,032 - 1,034
acidity max. 0,001 meq/g
copper (Cu) max. 0,2 ppm
iron (Fe) max. 0,5 ppm
lead (Pb) max. 0,2 ppm

nickel (Ni) max. 0,2 ppm
acetal (G.C.) max. 0,1 %
acetaldehyde (G.C.) max. 0,01 %
carbonyl compounds (as HCHO) max. 0,1 %
peroxides (as H₂O₂) max. 0,005 %
water (K.F.) max. 0,005 %

ART. NO.	VOLUME	CONTAINER
DI12941000	1 l	0

DIPHENYLAMINE



- Synonyms: N-Phenylbenzeneamine, N-Phenylaniline
- C₁₂H₁₁N
- M = 169,23 g/mol
- CAS [122-39-4]
- EINECS-No.: 204-539-4
- Solub. in water: (25 °C): ~ 0,05 g/l
- Melting point: 53 - 54 °C
- Boiling point: (13,3 hPa) ~ 159 °C
- Flash pt. 153 °C
- Ignition temp.: ~ 630 °C
- Vapour pressure: (20 °C) 0,0003 hPa
- LD 50 (oral, rat): 2000 mg/kg
- EC-Index-No.: 612-026-00-5

- ADR: 6.1 T2 II UN 2811
- IMDG: 6.1 II UN 2811
- IATA/ICAO: 6.1 II UN 2811
- GHS-signal word: Danger
- GHS-H sentences: H301 - H311 - H331 - H373 - H400 - H410
- GHS-P sentences: P260 - P261 - P361 - P321 - P405 - P501a
- Tariff number: 2921 44 00 20
- Applications: analytical chemistry, synthesis of organic products, for determination of: oxidizing agents, manufacture of dyes.
- Appearance: White to light yellow flakes