

**Phenol : Chloroform : iso-Amyl alcohol
(25:24:1), high purity**

Danger

UN: 2810

Storage Temperature: Ambient

Premixed with isoamyl alcohol (25:24:1). A 1:1 saturated phenol:chloroform mixture is ideal for the extraction of protein from DNA preparations. Packaged at pH 6.7, this product is accompanied by a separate alkaline buffer which allows the researcher to increase the pH to 8.0.

Appearance Colorless, 2-layer liquid
DNase none detected
O.D. @ 330nm <= 0.2
O.D. @ 405nm <= 0.1
O.D. @ 510nm <= 0.1
pH @ 25°C 6.5 - 6.9
Protease none detected
Purity >= 99%
RNase none detected

Cat. No.	Pk	Pack type
0883-100ML	100 ml	Glass bottle
0883-400ML	400 ml	Glass bottle

**Phenol : Chloroform : iso-Amyl alcohol
(25:24:1) for biotechnology**

Danger

UN: 2810

Storage Temperature: Ambient

Ready-to-use, single-phase solution that does not have to be equilibrated with a buffering purification solution prior to use. Premixed with Isoamyl Alcohol (25:24:1).

Conductivity(50%, Water)@25°C 250 uS - 330 uS
pH(50%, Water)@25°C 8.05 - 8.35

Cat. No.	Pk	Pack type
K169-100ML	100 ml	Glass bottle
K169-400ML	400 ml	Glass bottle

**Phenol : Chloroform : iso-Amyl alcohol
(25:24:1)**

Danger

UN: 2810

Storage Temperature: Ambient

A 25:24:1 mixture of phenol, chloroform, and isoamyl alcohol useful for preparing RNA with maximal recovery of poly (A+) RNA for subsequent mRNA purification and generation of cDNA.

O.D. @ 330nm <= 0.2
O.D. @ 405nm <= 0.1
O.D. @ 510nm <= 0.1
pH @ 25°C 4.9 - 5.5
Purity >= 99 %

Cat. No.	Pk	Pack type
0966-100ML	100 ml	Glass bottle
0966-400ML	400 ml	Glass bottle

Organic reference standard, Phenol Mix 1, EPA 604

0.5 mg/ml of each component in methanol

2,4-Dichlorophenol ; 2,4-Dimethylphenol ; 2,4-Dinitrophenol ; 4-Chloro-3-methylphenol ; 2-Chlorophenol ; 2-Methyl-4,6-dinitrophenol ; 2-Nitrophenol ; 4-Nitrophenol ; Phenol; Pentachlorophenol; 2,4,6-Trichlorophenol

Cat. No.	Pk	Pack type
124742R	1 ml	Vial

Phenolphthalein Ph. Eur.

Danger

CAS 77-09-8

C₂₀H₁₄O₄

Melting Pt: 258-262 °C

M.W. 318.33 g/mol

Density: 1,3 g/cm³ (20 °C)

REACH: 01-2119498295-24

Storage Temperature: Ambient

Assay (calculated on dried substance) 98.0 - 101.0 %
Appearance White/almost white powder
Identification A Passes test
Identification B Passes test
Solution S Passes test
Appearance of solution Passes test
Acidity or alkalinity Passes test
Related substances Passes test
Cl (Chloride) Max. 100 ppm
SO₄ (Sulphate) Max. 200 ppm
Heavy metals (as Pb) Max. 10 ppm
Loss on drying (105°C) Max. 0.5 %
Sulphated ash Max. 0.1 %
Residual solvents Passes test

Cat. No.	Pk	Pack type
83544.180	100 g	Glass bottle for solids

Phenolphthalein GPR RECTAPUR®

Danger

CAS 77-09-8

C₂₀H₁₄O₄

Melting Pt: 258-262 °C

M.W. 318.33 g/mol

Density: 1,3 g/cm³ (20 °C)

REACH: 01-2119498295-24

Storage Temperature: Ambient

Suited for pH indicator Passes test
Melting point 259 - 264 °C
Ignition residue (SO₄) Max. 0.1 %
Insolubility in ethanol 96 % (1% W/V) Max. 50 ppm

Cat. No.	Pk	Pack type
26237.231	250 g	Glass bottle for solids

VWR Handy Solution Guides

Material	83544.180
Material description	Phenolphthalein
Grade	Ph.Eur.
Lot	25E154133
Expires end of	2030-Jan-20
CAS Number	77-09-8
Molecular formula	C ₂₀ H ₁₄ O ₄
Molecular mass	318.33
Last Quality Control	2025-Feb-10
Date of manufacture	2025-Jan-21

Additional information

Characteristics	Specifications	Measured values
Assay (calculated on dried substance)	98.0 - 101.0 %	99.9 %
Appearance	White/almost white powder	White/almost white powder
Identification A	Passes test	Passes test
Identification B	Passes test	Passes test
Appearance of solution	Passes test	Passes test
Acidity or alkalinity	Passes test	Passes test
Related substances	Passes test	Passes test
Cl (Chloride)	≤ 100 ppm	≤ 100 ppm
SO ₄ (Sulphate)	≤ 200 ppm	≤ 200 ppm
Heavy metals (as Pb)	≤ 10 ppm	≤ 10 ppm
Loss on drying (105°C)	≤ 0.5 %	0.1 %
Sulphated ash	≤ 0.1 %	< 0.1 %
Residual solvents	Passes test	Passes test
Conforms to Ph.Eur.	Passes test	Passes test
Residual metal catalysts (skip lot):	.	.
As (Arsenic)	≤ 2 ppm	≤ 2 ppm
Cd (Cadmium)	≤ 1 ppm	≤ 1 ppm
Co (Cobalt)	≤ 1 ppm	≤ 1 ppm
Hg (Mercury)	≤ 1 ppm	≤ 1 ppm
Ni (Nickel)	≤ 1 ppm	≤ 1 ppm
Pb (Lead)	≤ 2 ppm	≤ 2 ppm
V (Vanadium)	≤ 5 ppm	≤ 5 ppm

Signature

We certify that this batch conforms to the specifications listed above.

This document has been produced electronically and is valid without a signature.

Jessie Pijck, Head of Laboratory - Haasrode
VWR International bv; Geldenaaksebaan 464; BE-3001
Leuven; Belgium

Additional information

Not for use as Active Pharmaceutical Ingredient (API)