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EC HPLC column (analytical), NUCLEODUR 100-3 NH2-RP, 3 μ m, 150x4.6 mm



Price on request

Package unit 1 Piece(s)

*taxes and shipping not included

Item number: 760742.46

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Technical data Downloads

This HPLC column is packed with polar aminopropyl modification, based on high purity NUCLEODUR silica gel. This HPLC phase is able to generate a clearly recognizable different retention behavior compared to purely alkyl-functionalized surface modifications. Besides cyano modifications, amino modifications belong to the most frequently used polar silica phases. Amino phases can be run in the RP mode using aqueous-organic eluent mixtures as well as in the NP mode, e.g., with hexane as mobile phase. Also anion exchange chromatography of anions and organic acids using common buffers (e.g., acetate or phosphate) in conjunction with organic modifiers (e.g., acetonitrile) is possible. Separation mechanism based on polar interactions, hydrophobic interactions and weak ion exchange interactions.

Base material	NUCLEODUR - high purity silica
Brand	NUCLEODUR
Carbon content	2.5 %
Column inner diameter	4.6 mm
Column length	150 mm
Column volume	2.5 mL

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Packaging dimensions	400 x 115 x 54 mm / 15.75 x 4.53 x 2.13 Inch
Particle shape	Spherical
Particle size	3 µm
Particle type	Fully porous particles (FPP)
pH stability	2.0–8.0
Phase	NUCLEODUR NH2-RP 100-3
Pore size	110 Å
Pressure stability (max)	600 bar / 8700 psi
Recommended application(s)	HPLC, Hydrocarbons under NP conditions, Polar compounds under RP conditions (sugars, DNA bases)
Scope of delivery	1x analytical HPLC column, instruction leaflet, certificate of analysis
Specific surface according to BET	340 m ² /g
Storage temperature	15–25 °C / 59–77 °F
Surface chemistry	Aminopropyl (NH ₂) modification
Temperature stability (max)	60 °C
Type	EC HPLC column (analytical)
USP listing	L8

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