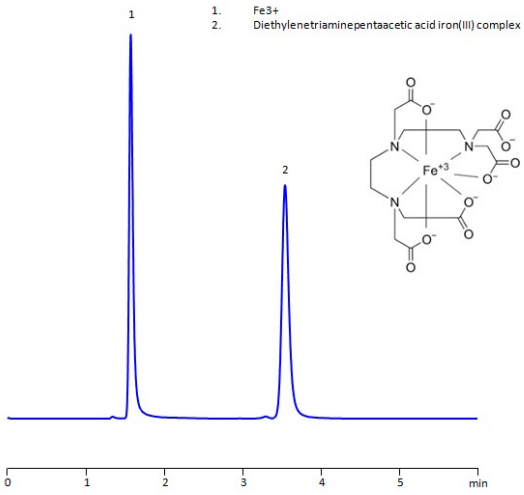
HPLC Method for Analysis of Diethylenetriaminepentaacetic acid (DTPA) on Newcrom BH Column



Column:	Newcrom BH
Column size:	3.2 × 150 mm, 3 µm, 100A
Column part number:	NBH-32.150.0310
Mobile phase:	MeCN/H_2O – 2/98%
Buffer:	H_2SO_4 – 0.2%
Flow rate:	0.5 mL/min
Detection:	UV 260 nm

Diethylenetriaminepentaacetic acid (DTPA) is a versatile chelating agent with significant applications in medicine, agriculture, and industry. Its ability to form stable complexes with metal ions makes it valuable in treating metal poisoning, enhancing plant nutrition, and improving industrial processes.

Method Parameters

Column	Newcrom BH, 3.2 x 150 mm, 5 µm, 100 Å, dual ended
Mobile Phase	MeCN/H2O – 2/98%
Buffer	H2SO4 – 0.1%
Flow Rate	0.5 mL/min
Detection	UV 260 nm
Injection Volume	1 µl

Quelle: https://sielc.com/hplc-determination-of-dtpa-on-newcrom-bh-column

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