

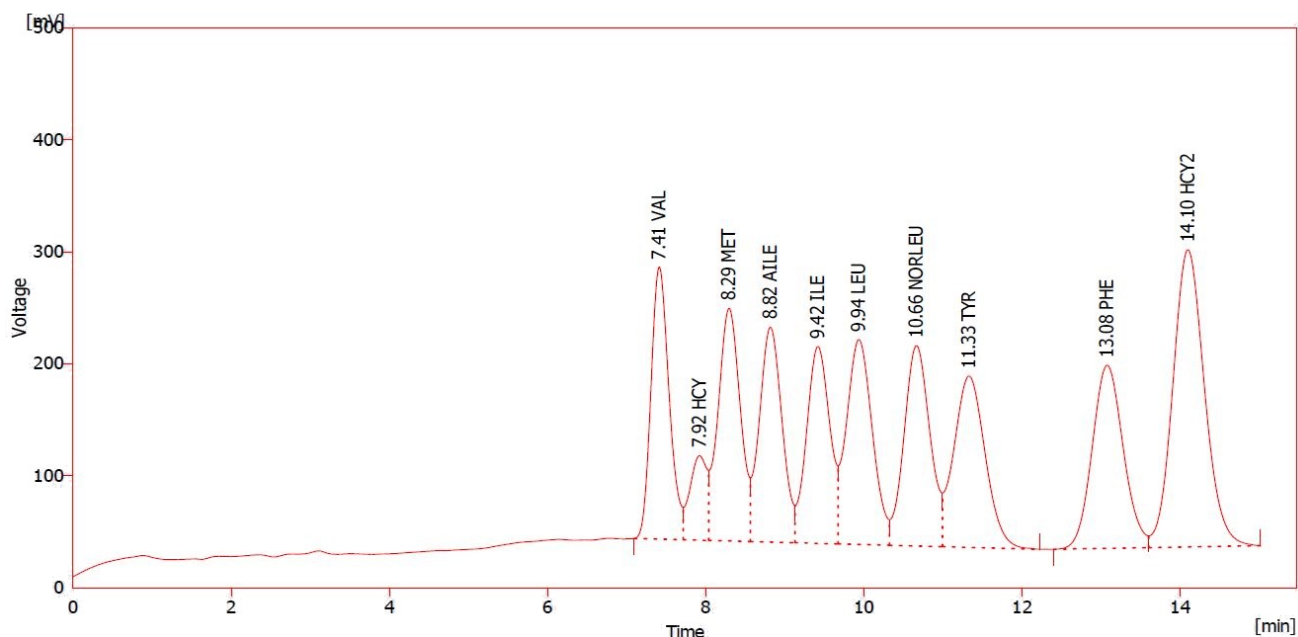
APPLICATION NOTE

MSUD High Speed



Equipment : ARACUS
Column : Lithium system, 75 mm BL x 4.0 mm ID
Ammonium Absorber, 40 mm x 2.0 mm ID
Eluents..... : Lithium system-HS; Eluent B, C and F
Runtime : 25 min
Analysis Runtime : 15 min
Gradient : Program in Steps
Eluent Flow : 350 µl/min
Column Temperature : 74 - 35 °C
Injection Volume : 20 µl
Reagent : Ninhydrin (Post-Column Derivatization)
Reagent Flow..... : 175 µl/min
Reactor Temperature : 130 °C
Detection : Visible – 570 nm (Channel A) / 440 nm (Channel B)
Sample..... : MSUD Standard
additional: HCY and HCY2

Standard Solution with 100 nmol/ml (570nm)



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No.	Retentiontime [min]	Amino Acid	code
1	7.41	Valine	VAL
2	7.92	Homocysteine	HCY
3	8.29	Methionine	MET
4	8.82	Alloisoleucine	AILE
5	9.42	Isoleucine	ILE
6	9.94	Leucine	LEU
7	10.66	Norleucine	NORLEU
8	11.33	Tyrosine	TYR
9	13.08	Phenylalanine	PHE
10	14.10	Homocystine	HCY2