

RVC-application A-1006

Catchwords: pharmaceuticals, agent synthesis, sample preparation HPCL, water Eppendorf-tubes, 1 ml

Samples preparation for the HPLC of synthesized pharmaceutical agent

Application:

Evaporation of water, till entire dryness of the agents, synthesis-intermediate or know contaminations after the extraction with hydrous alloys of tablets (molar mass 250-600 g/mole) as samples preparation for the analysis in the chiral HPLC with waterless mobile phases.

Specification:

Model:	RVC 2-25
Vacuum pump:	PC 2002 Vario
Liquid phase:	
Boiling range of the accumulation phase:	100 °C
Type of tube:	Eppendorf 1,8 ml
Starting volume of the sample:	1 ml
Final volume of the sample:	till entire dryness
Number of test tube per run:	8
Temperature:	55 °C
Vacuum:	10 mbar
Time:	approx. 3 h

Result and notes:

There are no stability problems at al. The substances don't volatilize. The melting points are higher than 100 °C. The drying process is sometimes interrupted, and the lid is drawn out, to blow out the gas phase (with the contained water vapour), and with this to speed up the process.

An automatic, time-controlled aeration is already built in, due o wishes of clients. But one couldn't notice any speed-up under these conditions..