Ti Application Note No. T- 36

Title:	**Benzydamine hydrochloride in disinfectant solution**

***Summary*:**	Determination of benzydamine hydrochloride {1-benzyl-3-[3-(dimethylamino)-propoxy]-1H-indazole hydrochloride} in disinfectant solution by potentiometric titration with sodium tetraphenylborate using the NIO Surfactant Electrode.

Sample:	Disinfectant solution

Sample Preparation:	none

Instruments and Accessories:	702, 716, 736 or 751 Titrino or 726 Titroprocessor, 6.0507.010 NIO Surfactant Electrode and 6.0733.100 Ag/AgCl reference electrode

Analysis:	Pipette 10.0 mL sample solution into a beaker, add ca. 90 mL dist. water and 4 ... 5 drops glacial acetic acid and titrate with sodium tetraphenylborate c(STPB) = 0.01 mol/L.

Calculation:	mg/mL benzydamine hydrochloride = EP1 * C01 / C00 EP1 = titrant consumption in mL C00 = 10.0 (sample size in mL) C01 = 3.4586 (benzydamine hydrochloride equivalent in mg/mL; 1 mL c(STPB) = 0.01 mol/L corresponds to 3.4586 mg benzydamine hydrochloride)

Remarks:	Result: AVG(3) = 1.583 +/- 0.002 mg/mL benzydamine hydrochloride