



Thermo

ELECTRON CORPORATION

Karl Fischer Titrator

Log # **KF1523**

Overview The moisture content of Advil tablets was determined by Karl Fischer titration on the Thermo Orion Turbo 2 Blending Volumetric Titrator with the solvent mixture of 1:1 methanol:formamide.

Sample ADVIL TABLETS

Industry PHARMACEUTICALS

Group Number 0

Typical moisture 2.5%

Sample size 4 TABLETS

Summary of procedure Four tablets were used for each analysis. When the second background significantly exceeds the first, clean the vessel and replace the solvent.

Method Parameters

Instrument	Turbo 2 Volumetric Karl Fische	Titration Current	
Volumetric Reagent	Reidel de Haen Composite 5	Endpt Rate	
Volumetric Solvent	1:1 MEOH:CONH2	Stirrer/blender speed	3
Pump Tubing	SILICONE	Extract time	5min
Vessel/Vessel Tubing	STD	Mode of analysis	BGRD-SAMP-BGRD
Endpt/Step Level	8/5	Vaporizer oven	
Endpt Time	20sec	Result units	% wt/wt
Anode Reagent		Source and date	7/11/94
Cathode Reagent		Cross-reference log	

Results

# of Trials	3	Mean Value	3.61	C.V.	1.97%
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Comments