



**Thermo**  
ELECTRON CORPORATION  
*Karl Fischer Titrator*

Log # **KF1405**

**Overview**

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**Sample** INSULIN STD

**Industry** PHARMACEUTICALS

**Group Number** 23

**Typical moisture** 2%

**Sample size** 0.6g

**Summary of  
procedure**

Method Parameters

<b>Instrument</b>	AF8 Volumetric Karl Fischer	<b>Titration Current</b>	
<b>Volumetric Reagent</b>	Reidel de Haen Composite 5	<b>Endpt Rate</b>	
<b>Volumetric Solvent</b>	MEOH	<b>Stirrer/blender speed</b>	5
<b>Pump Tubing</b>	SILICONE	<b>Extract time</b>	1.0min
<b>Vessel/Vessel Tubing</b>	STD	<b>Mode of analysis</b>	SAMPLE ONLY
<b>Endpt/Step Level</b>	8/5	<b>Vaporizer oven</b>	
<b>Endpt Time</b>	10sec	<b>Result units</b>	% wt/wt
<b>Anode Reagent</b>		<b>Source and date</b>	AVG 11/6/91
<b>Cathode Reagent</b>		<b>Cross-reference log</b>	

Results

<b># of Trials</b>	3	<b>Mean Value</b>	1.99%	<b>C.V.</b>	2.47%
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**Comments**