

Aurubis Buffalo , Inc.

70 Sayre Street Buffalo, NY 14207

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 <b>Work Instruction</b>		
<b>Title:</b> Laboratories Scope Aurubis Buffalo Inc .		<b>WI Number</b> WI-0622 <b>Revision:</b> 24
<b>Process / Department:</b> Process Product/Validation Verification  <b>Area:</b> Chemical Lab Sheet Mill Lab	<b>Approved &amp; Released Work Instruction</b>	<b>Implementation Date :</b> 09/11/2018
<b>Unit / Type:</b>		<b>Review Period - 365 Days</b>
<b>ISO/TS Book:</b>		

**Purpose:**

To provide the Scope of the Buffalo Plant's Chemical and Sheet Mill Labs.

**Responsibilities:**

It is the responsibility of the Technical Director and all laboratory employees to comply and fully support this scope.

**Procedure:**

**Scope:**

The Laboratories at the Buffalo Plant are ISO 9001:(latest revision) and IATF 16949:(latest revision), Certified (SRI - ISO Certificate No. 018568, IATF Certificate No 0304888 ) captured labs and do not profit from any testing of customer product. The scope of our laboratories covers the type of inspection, calibration and tests performed.

**Inspection and Testing:**

All inspection and testing will be performed in accordance with the Buffalo Plant ISO and IATF 16949:(latest revision) documentation and the Scope of Accreditation.

**This work instruction must be reviewed annually if not revised.**

**NOTE:** The following attachment is used to create the previous chart and does not represent the entire work instruction:

Technology	Range, when necessary	Methods Used	Product Types	Remarks
Optical Emission Spectroscopy		ASTM E1251	Copper and Copper Alloys	
XRF Emission Spectroscopy		ASTM E1251	Copper and Copper Alloys	
* Microhardness		ASTM E384	Copper and Copper Alloys	Vickers Scale
* Rockwell / Rockwell Superficial		ASTM E18	Copper and Copper Alloys	
* Tension		ASTM E8/E8M	Copper and Copper Alloys	Flat Products
Grain Size		ASTM E112	Copper and Copper Alloys	Comparison Method
* Conductivity		ASTM E1004	Copper and Copper Alloys	%IACS
Surface Roughness		ASME B46.1	Copper and Copper Alloys	
* Tin Thickness		ASTM B568	Copper and Copper Alloys	Tin Coating over Copper and Copper Alloys
Hydrogen Embrittlement		ASTM B577	Copper and Copper Alloys	
* Spring Limit		ASTM E855	Copper and Copper Alloys	
Bend Testing		ASTM E290	Copper and Copper Alloys	
Inspection and Testing of Uncoated Strip (Tape Test)		WI-0423	Copper and Copper Alloys	
Elemental analysis		Calibration	Copper and Copper Alloy Elements	Inductively Coupled Plasma Spectrometer
PH of solutions		Calibration	Solutions	Chemical laboratory
Conductivity of Solutions		Calibration	Solutions	Chemical laboratory
* On-site yearly calibration by accredited outside vendor to ISO/ IEC 17025 standard				

## 7.0 Associated Documents:

### External Documents



Scope Chart Only\_12-01-2014.xls

### Associated Documents:

WI-0624 -- Description of the Laboratory's Functions

[Click to Open an Associated Document](#)