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# Final XRD Analysis Report

Sample # [REDACTED]

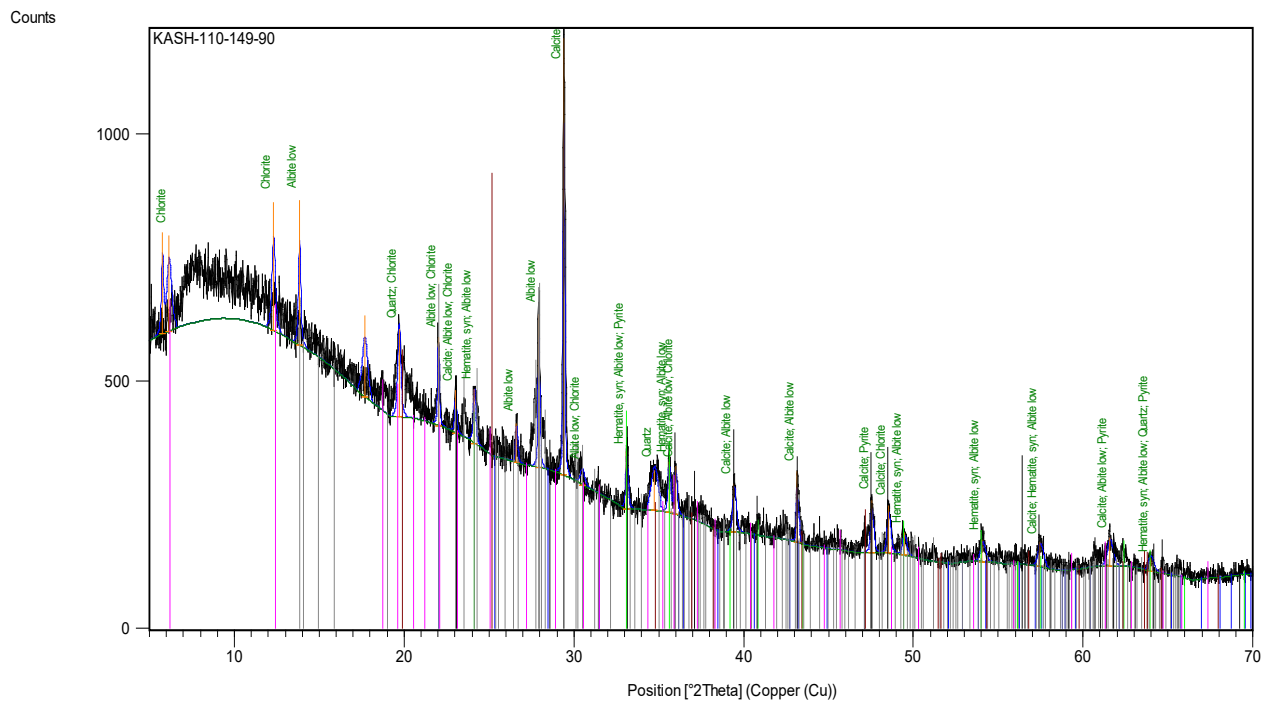


Last saved by Sarem		file: Sample XRD Data	rev: 1
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**Anchor Scan Parameters:**

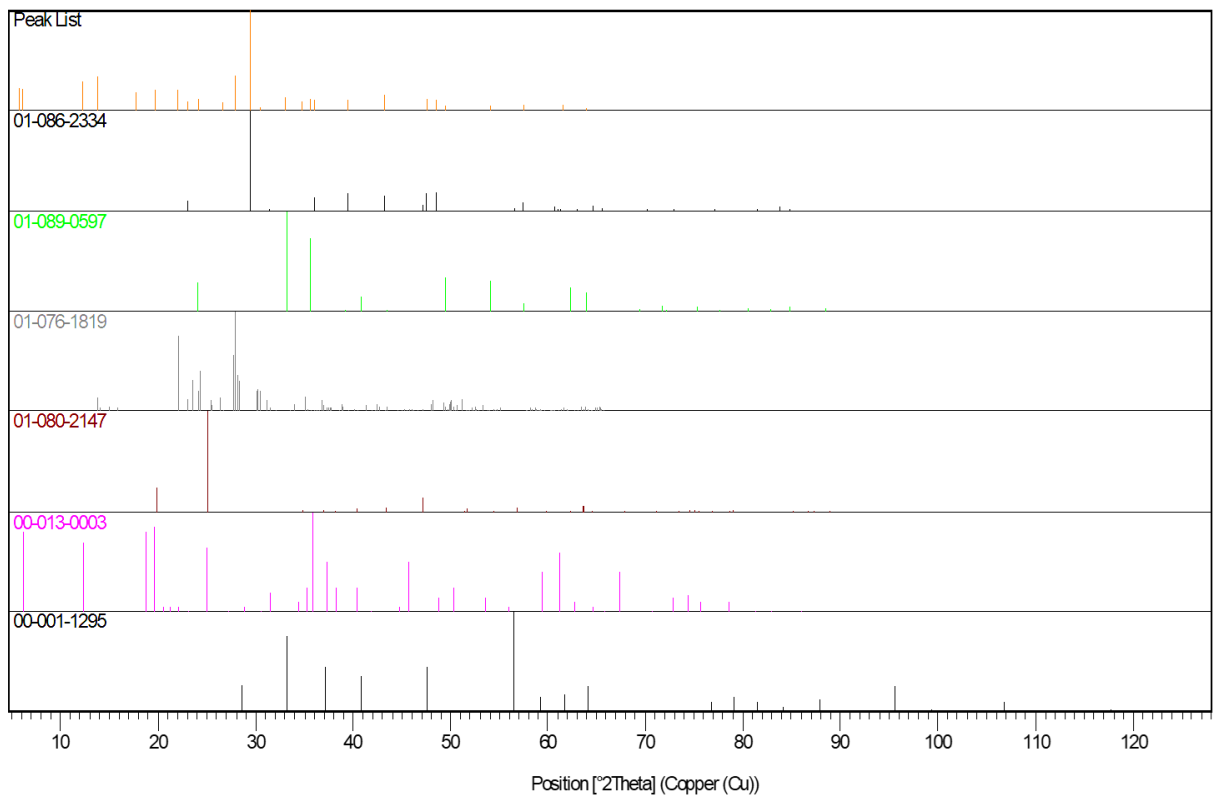
Dataset Name	
File name	C:\
110-149-90.asc	
Raw Data Origin	ASCII-2Theta-Intensity (ASC)
Scan Axis	Gonio
Start Position [°2Th.]	4.9940
End Position [°2Th.]	70.0040
Step Size [°2Th.]	0.0100
Scan Step Time [s]	1.0000
Offset [°2Th.]	0.0000
Divergence Slit Type	Fixed
Divergence Slit Size [°]	1.0000
Specimen Length [mm]	10.00
Receiving Slit Size [mm]	0.1000
Measurement Temperature [°C]	25.00
Anode Material	Cu
K-Alpha1 [Å]	1.54060
K-Alpha2 [Å]	1.54443
K-Beta [Å]	1.39225
K-A2 / K-A1 Ratio	0.50000
Generator Settings	0 mA, 0 kV
Diffractionmeter Number	0
Goniometer Radius [mm]	240.00
Dist. Focus-Diverg. Slit [mm]	91.00
Incident Beam Monochromator	No
Spinning	No

## Graphics:



**Identified Patterns List:**

Visible	Ref. Code	Score	Compound Name	Displacement [°2Th.]	Scale Factor	Chemical Formula
*	01-086-2334	52	Calcite	0.000	0.938	Ca(CO <sub>3</sub> )
*	01-089-0597	39	Hematite, syn	0.000	0.160	Fe <sub>2</sub> O <sub>3</sub>
*	01-076-1819	18	Albite low	0.000	0.305	Na(AlSi <sub>3</sub> O <sub>8</sub> )
*	01-080-2147	1	Quartz	0.000	0.468	SiO <sub>2</sub>
*	00-013-0003	Unmatched Strong	Chlorite	0.000	0.061	Mg <sub>2</sub> Al <sub>3</sub> (Si <sub>3</sub> Al)O <sub>10</sub> (O) <sub>8</sub>
*	00-001-1295	8	Pyrite	0.000	0.178	FeS <sub>2</sub>

**Plot of Identified Phases:**

<b><u>Quantitative Phase Proportions by Rietveld Method</u></b>		
<b>#</b>	<b>Phase Identified</b>	<b>Vol%</b>
1	Calcite	≈44.6
2	Hematite, syn	≈2.7
3	Albite low	≈38.9
4	Quartz	≈2.8
5	Chlorite	≈9
6	Pyrite	≈2