

Statement showing X-Ray Diffraction (XRD) Analysis results for samples from the Ambara West G-4 Block, District-Kachchh, Gujarat

Sl. No.	Sample number	BH No.	From(m)	To(m)	Major ($\geq 5\%$)	Minor ($\leq 5\%$ to $\geq 1\%$)	Trace, Faint Trace ($\leq 1\%$)
1	MKAU-01/11	MKAU-01	10.00	11.00	Quartz, Microcline	Albite, Muscovite, Illite, Birnessite	Anatase, Rutile
2	MKAU-01/23	MKAU-01	22.00	23.00	Quartz, Muscovite, Chamosite	Orthoclase	Pyrite, Zeolite, Dickite
3	MKAU-03/08	MKAU-03	7.00	8.00	Quartz, Microcline, Kaolinite	Orthoclase	Chamosite
4	MKAU-03/24	MKAU-03	24.00	25.00	Quartz, Microcline, Kaolinite	Chamosite, Phlogopite, Pyrite	Biotite, Albite
5	MKAU-04/02	MKAU-04	1.00	2.00	Quartz, Microcline	Orthoclase	Muscovite, Magnesite
6	MKAU-04/10	MKAU-04	9.00	10.00	Quartz, Microcline, Orthoclase	Albite, Muscovite	Kaolinite, Dickite, Birnessite, Illite
7	MKAU-04/18	MKAU-04	17.00	18.00	Quartz, Microcline, Clinocllore, Illite	Birnessite	Orthoclase, Kaolinite
8	MKAU-04/28	MKAU-04	27.00	28.00	Quartz, Microcline	_____	Orthoclase, Muscovite, Phlogopite
9	MKAU-05/06	MKAU-05	5.00	5.50	Quartz, Muscovite, Illite, Orthoclase	Microcline, Glauconite, Kaolinite, Dickite, Calcite	Biotite
10	MKAU-06/04	MKAU-06	3.00	4.00	Kaolinite, Quartz, Microcline, Chlorite	Anatase, Muscovite, Biotite	_____
11	MKAU-08/04	MKAU-08	3.00	4.00	Quartz, Microcline, Muscovite, Illite	Sericite, Orthoclase, Kaolinite	Dickite, Biotite
12	MKAU-08/10	MKAU-08	9.00	10.00	Quartz, Microcline, Orthoclase	Illite, Clinocllore, Kaolinite, Sericite, Birnessite, Albite	Dickite, Biotite
13	MKAU-09/02	MKAU-09	1.00	2.00	Quartz, Microcline, Orthoclase, Kaolinite	Dickite	Biotite
14	MKAU-09/09	MKAU-09	8.00	9.00	Quartz, Orthoclase, Kaolinite, Albite	Microcline, Chamosite, Anatase	Pyrite, Biotite, Illite
15	MKAU-10/15	MKAU-10	17.00	18.00	Quartz, Microcline, Orthoclase, Albite, Kaolinite	Dickite	Chamosite, Biotite, Chlorite

Note: Only crystalline phases of the samples are recorded. Amorphous phases are out of the scope of XRD and hence excluded.