Test Report for Chemical Composition of SK100 Kaolin

Owner	N.P	ACES Report No.	RH.MMR23015530
ACES Client	OSOS-3M	Date Reported	12/10/2023
Consultant	N.P	Sample No.	RH.MMS23005678
Project No.	N.P	Request No.	RH.MMO23004204
Project Name	Private	IR No.	N.P
Sample Description	SK100 Kaolin	Sampled By	N.P
Source	N.P	Sampling Date	N.P
Test Method	1. ASTM E1621-21 (XRF) for All Oxides, SO3, and Cl . 2.ASTM C114-18 for L.O.I.	Sample Brt. In By	CLIENT'S REP.
		Date Received	09/10/2023
Test Method Var.	N/A	Date Tested	11/10/2023
		Tested By	Ahmed Morsy
		Reviewed By	A.Shaaban-RY-103
Remarks	N/A	Test Location	ACES Riyadh
		Lab. Location	ACES Riyadh
		Reported By	Eng. Shahzaib RY-794

Main Compound Components

No.	Constituent		Results (% by wt.)
1	L.O.I.		5.6
2	Sodium Oxide	Na_2O	0.041
3	Magnesium Oxide	MgO	0.086
4	Aluminum Oxide	Al_2O_3	30.134
5	Silica	SiO_2	60.662
6	Phosphorus Oxide	P_2O_5	0.264
7	Sulfate	SO_3	0.072
8	Chlorine	Cl	0.018
9	Potassium Oxide	K2O	0.037
10	Calcium Oxide	CaO	0.692
11	Titanium Oxide	TiO_2	1.642
12	Chromium(III) oxide	Cr_2O_3	0.015
13	Manganese(II) oxide	MnO	<0.01
14	Iron Oxide	Fe_2O_3	0.224
15	Strontium oxide or strontia	SrO	0.092
16	Zirconium Oxide	ZrO_2	0.022
17	Zinc Oxide	ZnO	<0.01
18	Gallium oxide	Ga_2O_3	<0.01
19	Lead monoxide	PbO	<0.01
20	Niobium Pentoxide	Nb_2O_5	<0.01
21	Thorium dioxide	ThO_2	<0.01
22	Yttrium Oxide	Y_2O_3	<0.01

Notes:

*The test results represent the submitted sample only.

*Test results shall not be interpreted, reproduced or quoted in a whole or in part without prior written approval of ACES

**ACES is responsible for all information provided in the report which resulted from our activities but except for any information provided by the Customer or resulted from activities performed by another entity.*

** Decision Rule : Simple Acceptance*

"End of the Report"