

Takehara Kagaku Kogyo Co., Ltd.

(TAKEHARA CHEMICAL INDUSTRIAL CO., LTD)

Tojo plant

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1-13-5, NISHI SHINBASHI MINATO KU, TOKYO, 105-0003, JAPAN

CERTIFICATE OF ANALYSIS

Product: Calcium Carbonate Heavy USP/FCC powder
"U-CAL SSS"

Date: July. 16, 2024

Weight: 12,000 kgs (25 kgs × 480 bags)

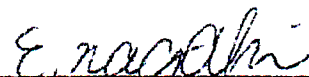
Lot No.: 42606

<u>Analysis</u>	<u>Specification</u>	<u>Test Results</u>
Assay (CaCO ₃)	98.0 to 100.5 %	99.1%
Identification	Pass/Fail	Passed test
Loss on drying (200°Cx4hrs)	NMT 2.0 %	0.4%
Acid-insoluble substances	NMT 0.2 %	0.03%
Limit of fluoride	NMT 0.005 %	LT 0.005 %
Arsenic	NMT 3 ppm	LT 3.0 ppm
Barium	Pass/Fail	Passed test
Lead	NMT 3.0 ppm	0.27 ppm
Iron	NMT 0.1 %	LT 0.1%
Magnesium and alkali salts	NMT 1.0 %	0.5%
Mercury	NMT 0.5 ppm	0.02 ppm
pH	8.5 to 9.5	9
Whiteness	-	95.4%
Residual solvents	Based on our knowledge of the manufacturing process and controlled handling of Calcium Carbonate Heavy USP/FCC powder, there is no potential for any solvents to be present and that the material, if tested by USP Chemical Tests (467), will meet the requirements.	

Date of Manufacturing: June. 26, 2024

Expiry Date: June. 25, 2027

TAKEHARA KAGAKU KOGYO CO., LTD.
Technical Department


E. Nagaki, manager

