

NIHON KAGAKU SANGYO CO., LTD.



ESTABLISHED
IN 1924

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TOKYO, JAPAN

December 14, 2015

To whom it may concern

CERTIFICATE OF ANALYSIS

We hereby certify that we have conducted analysis on our standard method and have obtained the following results which are true and correct.

COMMODITY : Cobalt Sulfate [$\text{CoSO}_4 \cdot 7\text{H}_2\text{O}$]
QUANTITY : 680 Kg (20 Kg \times 34) net in total
LOT NO. : 15112501

<u>QUALITY (Results of Chemical Analysis)</u>			<u>(Specifications)</u>
Solubility in water	Within the limits		Within the almost transparency
Purity (%)	100.5		99.0 min
Fe (%)	0.003	max	0.003 max
Cu (%)	0.003	max	0.003 max
Pb (%)	0.003	max	0.003 max
Zn (%)	0.003	max	0.003 max
Ni (%)	0.2	max	0.2 max
Na (%)	0.01	max	0.01 max
Ca (%)	0.03	max	0.03 max
Mg (%)	0.01	max	0.01 max
Cl (%)	0.005	max	0.005 max
pH (50g/l sol.)	4.0	min	4.0 min

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Miyuki Manaka

Inspection Section Manager : Miyuki Manaka