



WI-1878

INSPECTION REPORT

In pursuance of an order for inspection given to us,
BY OUR PRINCIPAL

ON
TO PERFORM

ON A COMMODITY AS DECLARED
QUANTITY
LOADED AT
VESSEL
PORT OF DISCHARGE
SHIPPER

: CSK MADENCILIK INSAAT TURIZM OTELCILIK VE
GAYRIMENKUL TIC.LTD.STI.
: 07.06.2018
: SAMPLING AND SAMPLE PREPARATION, ANALYSIS, SIZE AND
MOISTURE DETERMINATION,
: BAUXITE IN BULK
: 6.000,00 METRIC TONS
: GUBRETASPORT-ISKENDERUN, TURKEY
: M/V "DAKOTA"
: ST.NICOLAS/GREECE
: CSK MADENCILIK INSAAT TURIZM OTELCILIK VE
GAYRIMENKUL TIC.LTD.STI.



We hereby report as follows:

In compliance with the instructions we received from our principals, our inspector attended at Port of Gubretas from 11.06.2018 to 13.06.2018, throughout loading of the commodity mentioned above and performed sampling operation.

SAMPLING: Sampling was affected from dumped truck at Gubretas port during loading operation by collecting sample increments using suitable sample shovel within local applicable conditions.

Collected gross samples were blended/mixed then all gross samples were crushed in stages and reduced in weight by means of riffle dividers to appropriate quantity. The final sample was pulverized and split into 5 parts for per line about 200 gram each by incremental division and packed in individual envelope then sealed with SGS sticky tape and distributed as follows, in compliance with our Principal's instructions:-

DISTRIBUTION OF SAMPLES:

One sample(SGS SEAL NUMBER:184171-72) packed in double bags about 2 kg were handed over to the master of vessel.
One sample(about 200 gr) was dispatched to Liman Kimya lab. for quality assay.
We will keep the remaining samples for further references.

ANALYSIS: Quality assay was performed on the final sample(SGS SEAL NUMBER:190375) by a third party laboratory sub-contracted to SGS (Liman Kimya Laboratory Report No. C1806171 dated 20.06.2018). The laboratory used its own equipment and reagents. According to the laboratory's report, analysis carried out in accordance with the standard methods, the results are as follows:-

Test	Results %	Test	Results %
Al ₂ O ₃	%58.40	CaO	%0.19
SiO ₂	%2.56	TiO ₂	%2.63
Fe ₂ O ₃	%23.48		

DETERMINATION OF PARTICLE SIZE:

Particle size distribution of the cargo was calculated and following average results were found :-

Above	+20 mm	0,45 %
Between	+10 mm-20 mm	29,21%
Below	-10 mm	70,34%

MOISTURE: Moisture samples were mixed thoroughly and split into approximately two equal parts by weight and dried in duplicate at 105 deg. C, until a constant weight was obtained. Arithmetical average of duplicate moisture results was calculated as follows: -
H₂O: 4.35 %

These findings are reported herein for convenience only and SGS has no liability for the subcontracted results, which remain with subcontracted laboratory (Liman Kimya Laboratory).The manual sampling method was agreed with the SGS Principal, as sampling by more reliable methods that provide probability samples was not possible. The Holder of this document is cautioned that collected MANUAL samples of this type do not satisfy the minimum requirements for probability sampling, and as such cannot be used to draw statistical inferences such as precision, standard error, or bias.

Authorized person : Gülay TAŞKIRAN (Mining Engineer)

SGS Supervise Gözetme Etüd Kontrol Serv. A.S.

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