

ANALYTICAL REPORT

Customer: **Joerg Taubitz**
IXOM Laverton

Your Reference: October 2023 Liquid Chlorine test:
AWWA Conformance

SGS Report Number: SP037635B

Date of Receipt of Sample: 24/10/2023

Sample Description: Two 6 kg cylinders of liquid chlorine from Laverton Chlorine Plant filled on 23/10/2023 were delivered to SGS on 24/10/2023. The cylinders had the bar codes 03766965 and 03766972.

The work has been carried out in accordance with your instructions. The results and associated information are contained in the following pages of the report. Should you have any queries regarding this report please contact the undersigned.



Reported by: Dr Tracey Yeung

Date: 2.11.2023



Report authorised by: Dr Peter Novella

Date: 2.11.2023

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Sample description:

Two 6.5 kg Chlorine cylinders from IXOM Laverton Chlorine Plant were supplied and preserved in dry ice in an esky for testing. The cylinder with barcode of **03766965** (Photos 1 and 2) was sampled on 23/10/2023 for analysis. Unless otherwise stated, all tests were performed using this cylinder. The other cylinder with barcode **03766972** was kept for retention or for confirmation.

Any cylinder to be tested was allowed to thaw overnight before sampling and analyses were performed.

The results are shown in Table 1.



Photo 1 and 2: The bar code and the liquid chlorine cylinder **03766965** used for the test.

Table 1: Analytical Results for IXOM Laverton Liquid Chlorine October 2023

Parameter	Units	AWWA Specification	Liquid Chlorine Cylinder 03766965	Liquid Chlorine Cylinder 03766965 Duplicate
Strength as Chlorine	% v/v	> 99.5	99.80	99.85
Residue on evaporation	mg/kg	150 max	22	29
Moisture	mg/kg	150 max	52	80
Heavy metals (as Lead)	mg/kg	30 max	< 10	< 10
Arsenic	mg/kg	3 max	< 0.01	< 0.01
Lead	mg/kg	10 max	< 0.01	< 0.01
Mercury	mg/kg	1 max	< 0.01	< 0.01
Carbon tetrachloride	mg/kg	100 max	2	3
Total Trihalomethanes	mg/kg	300 max	37	40