

Operator:

AURUBIS AG



WEEELABEX

Audit Summary Report (Certification scheme - Operators EU Ro B2101)

Name of Treatment/
Preparing for Re-use
Operator *

AURUBIS AG

Location

Kupferstrasse 23, 44532 Lünen

Type of audit

General Audit

Date of Audit

12 June/ 13 June 2025

Date of report

27 July 2025

* Through-out this document, the term "operator" means either "treatment operator", or "preparing for re-use operator"

☐ Report before corrective actions (Part 1)

☒ Definitive document after corrective actions (Part 1 & 2 - Conclusions)



With the financial support of the LIFE
programme of the European Community

Operator:

AURUBIS AG

1,1 Audit Details

The conformity verification process has been initiated by: (add X or name of member system)	Operator	x	Member System	
Operator	AURUBIS AG			
Location	Kupferstrasse 23, 44532 Lünen			
Type of audit	General Audit			
Date of audit	12 June/ 13 June 2025			
Language of Audit	German			

Participants in Audit	Operator representatives	Frederik Köster	QMR&IMR
		Roland Belling	MVZS Technical Line Manager
		Matthias Wegnershausen	MVZS and EZ-A (Line and Sampling)
		Burat Bükrü	MV ZS Line Manager
		Michael Hennig	Department Manager (MVB)
	Contact details of the audit contact person	f.koester@aurubis.com	+49 2306 108-767
	Audit team	Ullrich Didszun	Lead Auditor
		Dr. Ruth Lindenmayer	Co Auditor
	Contact details of the Lead Auditor	ullrich.didszun@udz-consult.de	+49 15115630027

Audit history	First audit of facility	13/14 November 2018 DOI 18-0078
	Last audit of facility	25 April 2024 Surveillance DOI 23-0065

Brief description of the facility:

The operator "Aurubis AG Lünen" is a 100 percent subsidiary of the AURUBIS AG that is one of the biggest Producer of copper products in the world. The Recycling Facility is located in Lünen, the Headquarter of the Company is located in Hamburg. The Objective of this Audit conclude 2 Facilities: MV - ZS (Material Preparation - Dismantling and Sorting) and the SAMpling for Smelting and REfining as a second unit. The Operator proceed around 120.000 tons of different WEEE Appliances and Components per year as Pretreated or intermediate Material for the Smelting and refining process.

1,2 Activities conducted at the site and WEEE Streams included in audit

WEEE Stream (as per the WEEELABEX document B02TR Eligibility of Treatment and Preparing for Re-use Operators)	Operator Type * (Treatment Type 1 or 2 or 3 or Preparing for Re-use or combined)	Exclusions / Details (particular WEEE categories or equipment that are not in scope of the audit; and detailed description of the audited WEEE stream)	Included in Audit (Yes/No)
Large appliances	-	-	No
Temperature exchange equipment	-	-	No
Mixed equipment	-	-	No
CRT display appliances	-	-	No
Flat panel display equipment	-	-	No
Gas discharge lamps	-	-	No
Photovoltaic panels	-	-	No
Other: (specify, if applicable) pretreated/depolluted WEEE - Appliances and components	<i>Treatment Type 3</i>	<i>Exclusions: no untreated Appliances due to WEEE categories 1-6 Details: pretreated SDAs, Components like PC Boards, power Supplies, different IT components prepared for final processing and refining.</i>	Yes

* Operator Type definitions as per the WEEELABEX document B02TR Eligibility of Treatment and Preparing for Re-use Operators:

Type 1: Manual treatment, including all or some depollution.

Type 2: Mechanical treatment (pre-treatment and intermediate treatment), or specific manual treatment, including some or all depollution (where indicated).

Type 3: Advanced mechanical treatment, including some or all depollution (where indicated).

Preparing for Re-use: Preparing for re-use process (checking, cleaning, or repairing recovery operations, by which products or components of products that have become waste are prepared so that they can be re-used without any other pre-processing).

Further details

The Type 3 process is primarily aimed at preparing the materials for the in-house melting and refining process. The audit therefore also includes the mechanical preparation for sampling.

2 Batch and performance test results

WEEE Stream (as per the WEEELABEX document B02TR Eligibility of Treatment and Preparing for Re-use Operators)	Date of the batch test(s)	Is the batch test performed and validated by a WEEELABEX Auditor? (Yes/No/NA)
Large appliances		
Temperature exchange equipment		
Mixed equipment		
CRT display appliances		
Flat panel display equipment		
Gas discharge lamps		
Photovoltaic panels		
Other: pretreated/depolluted WEEE - Appliances and components	12.06.2025	Yes
	Date of the TEE performance test	Is the TEE performance test performed and validated by a WEEELABEX CFA Specialist Auditor? (Yes/No/NA)
Temperature exchange equipment (hereinafter also as "TEE")		

3 Results

3.1 Priority 1 questions

Number of Priority 1 Non Conformances	General	Large appliances	Temperature exchange equipment	Mixed equipment	CRT display appliances	Flat panel display equipment	Gas discharge lamps	Photovoltaic panels	Other
Fail	0	NA	NA	NA	NA	NA	NA	NA	0
Pass	6	NA	NA	NA	NA	NA	NA	NA	10

3.1.1 Priority 1 Non Conformances and Improvement Opportunities

# Question	Clause of relevant standard(s) *	Non conformance (NC) / Improvement opportunity (IO)	Description of Non Conformance / Improvement Opportunity (including description of the implemented corrective action in case of NC)	Deadline to meet the requirement and provide evidence **	Corrective action required (Yes/No)	Non conformance solved? (Yes/No/NA)
			No NC and IO considered			NA

* Relevant standards are the following:

- EN 50625-1:2014; note that also other specific EN 50625 series standards and related technical specifications apply (referred as "EN")
- EN 50614:2020 (referred as "REUSE")
- WEEELABEX normative document on Treatment V10.0 (referred as "WX")

** of date of reception

The Operator is required to address the above non-conformances and then provide evidence of the implemented corrective action(s) to the Lead Auditor that it has been concluded within the given deadlines. Failure to respond to Priority 1 non-conformances noted within the given timeframe may result in a negative conformity verification.

3,2 Priority 2 Questions

Average score in priority 2 questions	Large appliances	Temperature exchange equipment	Mixed equipment	CRT display appliances	Flat panel display equipment	Gas discharge lamps	Photovoltaic panels	Other
SCORE	NA	NA	NA	NA	NA	NA	NA	100%

3.2.1 Priority 2 Non Conformances and Improvement opportunities

# Question	Clause of relevant standard(s) *	Non conformance (NC) / Improvement opportunity (IO)	Description of Non Conformance / Improvement Opportunity (including description of the implemented corrective action in case of NC)	Non conformance solved? (Yes/No/NA)
			No NC or IO considered	NA

* Relevant standards are the following:

- EN 50625-1:2014; note that also other specific EN 50625 series standards and related technical specifications apply (referred as "EN") / - EN 50614:2020 (referred as "REUSE") / - WEEELABEX normative document on Treatment V10.0 (referred as "WX")

Failure to obtain more than 75% of the score on Priority 2 questions (see 3.2) within THREE MONTHS AFTER DATE OF RECEPTION shall result in a negative conformity verification. The Operator is required to address as many as the above non-conformances and then provide evidence of the corrective action to the Lead Auditor that it has been concluded within the given deadlines.

3,3 Audit Results

WEEE Stream	Large appliances	Temperature exchange equipment	Mixed equipment	CRT display appliances	Flat panel display equipment	Gas discharge lamps	Photovoltaic panels	Other
Fail	-	-	-	-	-	-	-	-
Pass	-	-	-	-	-	-	-	PASS

4 Audit Communication

The Operator has 2 days on reception of this document to communicate the Lead Auditor spelling mistakes, permit numbers or similar errors detected on review.

Audit communications	The Operator has submitted comments to the Lead Auditor regarding the audit report.	Yes
	The comments expressed by the Operator have been taken into consideration in this summary document, or have been noted.	Yes

Name of WEEELABEX Lead Auditor	Ullrich Didszun Lead Auditor
Signature:	
Date of Summary Report:	27 July 2025
Contact details of the Lead Auditor	ullrich.didszun@udz-consult.de

Notes:

The audit has been carried out on behalf of the client (party mandating and financing the audit) for the purposes of assisting them in their analysis of the services provided to them by the Operator (the subject of this Audit). No party shall pass the Report to any other third party without the express written permission of the WEEELABEX Organisation and the Lead Auditor named in this document. No duty, responsibility or liability to any party, other than to the WEEELABEX Organisation is accepted. A copy of this summary report will be provided to the Operator.

The audit was carried out in accordance to the "WEEELABEX requirements" (as defined in the B04 WEEELABEX Guidance Document) to audit the Operator's services, licenses and permits and the plant and equipment at the facility. The scope of our work in preparing this Report was limited solely to those procedures and to the audited treatment streams. Accordingly, the Lead Auditor does not express any opinion or overall conclusion that may affect any services contract. The client is responsible for determining whether the scope of the work specified is sufficient for its' purposes and the Lead Auditor makes no representation regarding the sufficiency of these procedures for their purposes. The procedures performed were not designed to and are not likely to reveal fraud. The Report should not be taken to supplant any other enquiries and procedures that may be necessary to satisfy the requirements of the Report.

This assessment was conducted on a limited sampling and therefore non conformities may exist that have not been identified. Other areas of concern may become apparent when any necessary research is concluded (e.g. for specific information / operations assessed during the audit) or when the missing documentation (if any) is received. The results of the audit are based on sampling and the observations done by the audit team during the audit, therefore the audit report may not identify the totality of the (potential) non conformances incurred by the auditee. That the conformity verification performed by the auditor does not exempt the auditee from the responsibility to observe and know the legislation applicable to all its activities.

The Operator shall not disclose or reproduce this document in any format without the written confirmation of the Lead Auditor or the WEEELABEX Organisation.

WEEELABEX**CONCLUSIONS OF THE CONFORMITY VERIFICATION PROCESS**

(Certification scheme - Operators EU Ro B2101):

RECOMMENDATIONS FOR CERTIFICATION (OR WITHDRAWAL OF THE CERTIFICATION)

This document is the conclusion of the audit process and is completed after corrective actions (if any) have been closed.

5 Audit Details

Operator	AURUBIS AG
Location	<i>Kupferstrasse 23, 44532 Lünen</i>
Date of audit	<i>12 June/ 13 June 2025</i>
Name of WEEELABEX Lead Auditor	<i>Ullrich Didszun Lead Auditor</i>

6 Audit results

WEEE Stream	Large appliances	Temperature exchange equipment	Mixed equipment	CRT display appliances	Flat panel display equipment	Gas discharge lamps	Photovoltaic panels	Other
Fail	-	-	-	-	-	-	-	-
Pass	-	-	-	-	-	-	-	PASS

7 Conclusions after corrective action(s)

Non conformances are noted on the summary report (section 3.1). At the time of this report, the conclusions for each WEEE stream (the subject of the audit) are:

WEEE Stream	Large appliances	Temperature exchange equipment	Mixed equipment	CRT display appliances	Flat panel display equipment	Gas discharge lamps	Photovoltaic panels	Other
Number of Priority 1 Non conformances	NA	NA	NA	NA	NA	NA	NA	0
Number of Priority 2 Non conformances	NA	NA	NA	NA	NA	NA	NA	0

8 Recommendations for WEEELABEX certification (or withdrawal of the certification)

WEEE Stream (as per the WEEELABEX document B02TR Eligibility of Treatment and Preparing for Re-use Operators)	Operator Type (Treatment Type 1 or 2 or 3 or Preparing for Re-use or combined)	Exclusions / Details (particular WEEE categories or equipment that are not in scope of the audit; and detailed description of the audited WEEE stream)	Recommendation for certification(or withdrawal of the certification)
Large appliances	-	-	<i>Not Applicable</i>
Temperature exchange equipment	-	-	<i>Not Applicable</i>
Mixed equipment	-	-	<i>Not Applicable</i>
CRT display appliances	-	-	<i>Not Applicable</i>
Flat panel display equipment	-	-	<i>Not Applicable</i>
Gas discharge lamps	-	-	<i>Not Applicable</i>
Photovoltaic panels	-	-	<i>Not Applicable</i>
Other: (specify, if applicable) pretreated/depolluted WEEE - Appliances and components	<i>Treatment Type 3</i>	<i>Exclusions: no untreated Appliances due to WEEE categories 1-6 Details: pretreated SDAs, Components like PC Boards, power Supplies, different IT componensts prepared for final processing and refining.</i>	Recommended for certification for this WEEE stream

Further details

The Type 3 process is primarily aimed at preparing the materials for the in-house melting and refining process. The audit therefore also includes the mechanical preparation for sampling.

Is there a proven evidence that the operator who performs Type 1 treatment operations is able to record the downstream treatment of WEEE and fractions thereof by subsequent Type 2 or Type 3 or another Type 1 operator in compliance with the requirements defined in the WEEELABEX document B 02 Eligibility of Treatment Operators, clause 2.4?	NA
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Operator:

AURUBIS AG

Name of WEEELABEX Lead Auditor	Ullrich Didszun Lead Auditor
Signature:	
Date of Summary Report:	27 July 2025
Contact details of the Lead Auditor	ullrich.didszun@udz-consult.de

The audit has been carried out based on the "WEEELABEX requirements" as defined in the clause 1.1 of the B 04 WEEELABEX Guidance Document - based on the accredited WEEELABEX Certification scheme - Operators no.:

EURO B2101

Notes:

The audit has been carried out on behalf of the client (party mandating and financing the audit) for the purposes of assisting them in their analysis of the services provided to them by the Operator (the subject of this Audit). No party shall pass the Report to any other third party without the express written permission of the WEEELABEX Organisation and the Lead Auditor named in this document. No duty, responsibility or liability to any party, other than to the WEEELABEX Organisation is accepted. A copy of this summary report will be provided to the Operator.

The audit was carried out in accordance to the "WEEELABEX requirements" (as defined in the B04 WEEELABEX Guidance Document) to audit the Operator's services, licenses and permits and the plant and equipment at the facility. The scope of our work in preparing this Report was limited solely to those procedures and to the audited treatment streams. Accordingly, the Lead Auditor does not express any opinion or overall conclusion that may affect any services contract. The client is responsible for determining whether the scope of the work specified is sufficient for its' purposes and the Lead Auditor makes no representation regarding the sufficiency of these procedures for their purposes. The procedures performed were not designed to and are not likely to reveal fraud. The Report should not be taken to supplant any other enquiries and procedures that may be necessary to satisfy the requirements of the Report.

This assessment was conducted on a limited sampling and therefore non conformities may exist that have not been identified. Other areas of concern may become apparent when any necessary research is concluded (e.g. for specific information / operations assessed during the audit) or when the missing documentation (if any) is received. The results of the audit are based on sampling and the observations done by the audit team during the audit, therefore the audit report may not identify the totality of the (potential) non conformances incurred by the auditee. That the conformity verification performed by the auditor does not exempt the auditee from the responsibility to observe and know the legislation applicable to all its activities.

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