



Control Union (UK) Limited
OFFICE: The Barn, Lake Court, Hursley, Winchester, Hampshire
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Statement of Verification

Statement Number: **CUUK-XTOK-0001**

Verification of the Xworks – XTokenz Plastics Recovery and Recycling (XVRR) Methodology:

Scope type:
XTokenz Verified Recovery & Recycling (XVRR) avoidance credit(s).

On behalf of:
Xworks AI Ltd

Xworks ID:
X1424 – X2341

Date Range	Annual Estimated Mitigation*	tCO ₂ e avoided
Jan 2023 – September 2025	6297.62 tCO ₂ e / year	18,892.86 tCO₂e

*Figures represent verified avoidance for the Jan-2023 to Sept 2025 pilot period.
(Please see Annex II for full data list)

Control Union UK declares to have inspected the units(s) of the above-mentioned client and have found them in accordance with the methodology mentioned above and detailed in Annex (I).

The statement is issued for marketplace disclosure and buyer due diligence purposes, verification remains in force until further notice, provide that the above-mentioned entity remains in compliance with the requirements as laid down in the contract with Control Union UK.

This statement of verification is only valid for the scope of application and in combination with the objectives, explanations and criteria for evaluation specified in Annex (I) and the data range in Annex (II).

Date of Verification:

28th October 2025

Place and Date of issue:

United Kingdom, 28th October 2025

Name of authorised person:

T Tsuz

Verifier

Stamp of the issuing body



Entity Logo



This electronically issued document is the valid original version.
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Annex (I)

Annex to statement number: CUUK-XTOK-0001

Xworks – XTokenz Verified Recovery and Recycling Methodology

The verification is based on results generated from the methodologies outlined below:

- XTokenz – Public LCA Technical Summary – Carbon Avoidance (CA) per Polymer – Cradle to Gate (Version 1.4) Link: Public Facing LCA October 2025;
- XTokenz – Project Design Document (PDD) – XTokenz Plastics Recovery and Recycling Project – Public version (redacted) (Version 5 16th October 2025) Link: Public Facing PDD V5 October 2025;

Aligned to the following international standards:

- XTokenz – developed to be *aligned* with the *Gold Standard Programme of Activities* (POS) – GSID - GS23382 (Under review); Gold Standard – Consolidated methodology for recovery and recycling of materials from Solid waste (2025) Calculation workbook (public) - Calculation Workbook;
- XTokenz – Annex X – ISO14040-44 *Alignment* of XTokenz Verified Recovery and Recycling Methodology Link: Annex X - ISO 14040 Alignment of XTokenz;

The scope of verification

Control Union have conducted an independent verification of Xworks AI's data, documentation, and methodology related to the issuance of XTokenz Verified Recovery & Recycling (XVRR) avoidance credits.

- Sampling the robustness of Xworks AI's digital Monitoring, Reporting, and Verification (dMRV) system and its data traceability;
- The accuracy and completeness of material flow data associated with post-consumer plastics recovery and recycling;
- The emission reduction and avoidance calculations underpinning the XTokenz XVRR credits;
- The licensing, documentation and operational integrity of participating recovery and recycling facilities.

Verification Conclusion:

Based on the verification process:

- The dataset and supporting evidence were consistent, traceable, and verifiable, including weighbridge tickets, CMR transport documents, licensing records, and photographic documentation of shipments;
- The Xworks AI dMRV framework demonstrates strong batch level traceability and is compatible with future on-chain auditability, thereby providing a credible, transparent, and replicable process for verifying post-consumer plastics recovery and recycling, delivering data suitable for environmental asset issuance.

The methodology and dataset reviewed are technically sound and consistent with methodologies outlined above. This statement applies exclusively to the Pilot Phase (January 2023 – September 2025) and may be used to support ongoing methodology validation and progression toward full certification under Gold Standard and ISO frameworks.

Disclaimer

This statement is issued by Control Union as an independent verification body following a limited-scope verification review. It does not constitute certification or endorsement under any specific voluntary or compliance carbon standard. The conclusions are based solely on the documentation and evidence provided by Xworks AI Ltd and its verified suppliers during the review period.



Annex (II)

Batch Data Range:

Date Range	Material Converted	tCO ₂ e avoided
Jan 2023 – September 2025	(Plastics)	18,892.86 tCO ₂ e

Square root + 1 of 516 batches – min. sample size 24 (Grey highlight denotes sampled data lines)

X1424	X1471	X1555	X1657	X1723	X1929	X1964	X2006	X2042	X2083	X2115	X2149	X2186	X2218
X1425	X1474	X1556	X1658	X1724	X1931	X1966	X2007	X2046	X2084	X2116	X2150	X2187	X2219
X1435	X1475	X1557	X1659	X1725	X1933	X1967	X2008	X2048	X2085	X2117	X2151	X2188	X2220
X1437	X1476	X1558	X1661	X1726	X1934	X1968	X2009	X2050	X2086	X2118	X2152	X2189	X2221
X1438	X1477	X1564	X1662	X1729	X1935	X1969	X2010	X2051	X2087	X2119	X2153	X2190	X2186
X1439	X1478	X1568	X1663	X1730	X1936	X1970	X2012	X2052	X2088	X2120	X2154	X2191	X2187
X1440	X1479	X1569	X1664	X1731	X1937	X1971	X2013	X2053	X2089	X2121	X2155	X2192	X2188
X1441	X1480	X1571	X1665	X1732	X1938	X1972	X2015	X2054	X2090	X2122	X2156	X2193	X2189
X1443	X1481	X1572	X1666	X1733	X1939	X1973	X2016	X2055	X2091	X2123	X2157	X2194	X2190
X1444	X1482	X1573	X1669	X1734	X1940	X1979	X2017	X2056	X2092	X2124	X2159	X2195	X2191
X1445	X1484	X1574	X1671	X1735	X1941	X1980	X2018	X2057	X2093	X2125	X2160	X2196	X2192
X1446	X1485	X1575	X1672	X1736	X1942	X1981	X2019	X2058	X2094	X2126	X2162	X2197	X2193
X1447	X1486	X1576	X1673	X1737	X1943	X1982	X2020	X2059	X2095	X2127	X2163	X2198	X2194
X1448	X1487	X1577	X1674	X1738	X1944	X1983	X2021	X2060	X2096	X2128	X2166	X2199	X2195
X1449	X1488	X1578	X1675	X1739	X1945	X1984	X2022	X2061	X2097	X2129	X2167	X2200	X2196
X1450	X1489	X1597	X1683	X1740	X1946	X1987	X2023	X2062	X2098	X2130	X2168	X2201	X2197
X1451	X1490	X1612	X1684	X1744	X1947	X1988	X2024	X2063	X2099	X2131	X2169	X2202	X2198
X1456	X1491	X1613	X1686	X1745	X1948	X1989	X2026	X2064	X2100	X2132	X2170	X2203	X2199
X1457	X1493	X1614	X1687	X1749	X1949	X1990	X2027	X2065	X2101	X2134	X2171	X2204	X2200
X1458	X1513	X1615	X1688	X1750	X1950	X1991	X2028	X2066	X2102	X2135	X2173	X2205	X2201
X1459	X1525	X1619	X1689	X1751	X1951	X1992	X2029	X2069	X2103	X2136	X2174	X2206	X2202
X1460	X1537	X1620	X1690	X1752	X1952	X1993	X2030	X2070	X2104	X2137	X2175	X2207	X2203
X1461	X1538	X1621	X1691	X1757	X1953	X1994	X2031	X2073	X2105	X2138	X2176	X2208	X2204
X1462	X1539	X1640	X1699	X1758	X1954	X1995	X2032	X2074	X2106	X2139	X2177	X2209	X2205
X1463	X1541	X1642	X1700	X1759	X1955	X1996	X2033	X2075	X2107	X2140	X2178	X2210	X2206
X1464	X1542	X1643	X1701	X1766	X1957	X1997	X2035	X2076	X2108	X2141	X2179	X2211	X2207
X1465	X1544	X1645	X1705	X1770	X1958	X1998	X2036	X2077	X2109	X2142	X2180	X2212	X2208
X1466	X1549	X1649	X1712	X1771	X1959	X1999	X2037	X2078	X2110	X2144	X2181	X2213	X2209
X1467	X1550	X1650	X1713	X1829	X1960	X2001	X2038	X2079	X2111	X2145	X2182	X2214	X2210
X1468	X1551	X1651	X1716	X1849	X1961	X2003	X2039	X2080	X2112	X2146	X2183	X2215	X2211



X1469	X1552	X1655	X1717	X1882	X1962	X2004	X2040	X2081	X2113	X2147	X2184	X2216	X2212
X1470	X1553	X1656	X1722	X1928	X1963	X2005	X2041	X2082	X2114	X2148	X2185	X2217	X2213
X2214	X2256	X2297	X2228	X2270	X2313	X2245	X2283	X2337	X2220	X2263	X2305	X2235	X2276
X2215	X2258	X2298	X2229	X2271	X2314	X2246	X2284	X2338	X2221	X2264	X2306	X2238	X2277
X2216	X2259	X2301	X2230	X2272	X2315	X2248	X2285	X2339	X2222	X2265	X2307	X2239	X2278
X2217	X2260	X2302	X2231	X2273	X2316	X2249	X2287	X2340	X2223	X2266	X2309	X2241	X2279
X2218	X2261	X2303	X2233	X2274	X2317	X2250	X2288	X2341	X2224	X2267	X2310	X2242	X2280
X2219	X2262	X2304	X2234	X2275	X2318	X2251	X2289	X2227	X2226	X2268	X2311	X2243	X2281
X2320	X2321	X2323	X2335	X2336	X2269	X2312	X2244	X2282	X2252	X2290	X2253	X2291	X2296
X2254	X2294	X2255											

