



# COMPARISON EN 840 – RAL-GZ 951/1

Test no.	Type of testing	EN 840		RAL-GZ 951/1	
		2 wheels	4 wheels	2 wheels	4 wheels
1	Outer appearance and workmanship	X	X	X	X
2	Dimensions (functional dimension)	X	X	X*1	X*1
3	Position of chip nest for RFID adapter			X	X
4	Test of stability of the RFID adapter			X	X
5	Weight	X	X	X*2	X*2
6	Determination of volume	X	X	X	X
7	Bending of frontal receiver	X	X	X*2	X*2
8	Ball drop test at t = -18°C	X	X	X*2	X*2
9	Drop test at t = -18°C, 4 x 3m			X	
10	Drop test at t = +23°C, 4 x 2,5m				X
11	Impact on wall / corner (inclined surface)		X		X
12	Kerb driving / rolling test		X		X
13	Kerb driving / falling test	X	X	X*2	X*2
14	Handles / lifting test		X		X
15	Stability	X	X	X*2	X*2
16	Wheel test (Test at a circular proving ground)	X	X	X*1	X*1
17	Brake test		X		X
18	Tiltability (lifting test)	X	X	X*1	X*1
19	Internal stress cracking test	X	X	X	X
20	Corrosion test	*3	*3	*3	*3
21	Weathering test	*4	*4	*4	*4
22	Warm storage			X	X
23	Pulling test (Strength to start and maintain the container movement)	X	X	X	X
24	Test of sliding cover		X		X
25	Expansion angle test of comb lifting device			X	X
26	Lid test			X	X
27	Marking body	X	X	X*2	X*2
28	Marking lid and wheels			X	X
29	Marking and testing of the wheels by an independent test institute			X	X
30	Marking of waste fractions by colors (recommendation)			X	X
31	Permissible total weight (definition)			X	X
32	Confirmation of fulfillment of further applicable standards			X	X
33	Safety requirements	X	X	X	X
34	Initial testing by an independent test institute			X	X
35	Self-monitoring			X	X
36	External monitoring by independent test institute			X	X
37	Examination+value definition outdoor directive 2000/14 E G			X	X
38	Examination and evaluation from polycyclic aromatic hydrocarbons (PAH) to AfPS GS 2019:01 PAK			X	X

Additional requirements of the RAL GZ 951/1;2 in comparison to the EN 840

**Footnotes:** \*1 additional requirements      \*3 Metal container and add-on components  
\*2 increased requirements      \*4 On test specimens

**Gütegemeinschaft Abfall-und Wertstoffbehälter e.V.** Siegburger Str. 126, 50679 Köln