

TEST CERTIFICATE



Version: 01	Load unit		EUROSAFE Certificate no. 2017-10-001-1				
EUROSAFE Certificate no. / long version	2017-10-001	pallet with Test location:	Drumguard®Quattr TU Darmstadt Airfield premises	o System Test date:	31/09)/2017-Driving test)/2017-Test bench	
Client		Persons present	Certified expert Neumann/EUROSAFE The client was present during the tests				
The load units were s 2. Dynamic horizonta The load units were s times. 3. Dynamic driving te	cording to DIN EN 12199 subjected to a static test al test according to EUN subjected to horizontal f est according to DIN EN d onto a truck, were sub	with a sidewa 10S 40509:201 orces of 0.8 g i 12642 Annex	12 In both directions (sidev B and C	vays/lengthwa	ys) sevei	ral (3) consecutive	
150/1,3 and UN 1A2/ LU formation: Drumg base. The tightening torque wrench. Verti ETA-12/0114, or a co galvanised sheet stee Pallet type: CP 3/CP 9	16.5 l / 55 gal. metal bu /X 360/S (can deviate – t guard®Quattro System a torque of the screw is a ical force-lock connectio mparable connection el el, weight ca. 1170 gram 9 pallet, 114 cm x 114 cr ca. 930 kg, gross weight	he certificate i pplied across t t least 35 Nm. on via a pre-ter ement belongi s, sheet thickn m	refers to standard conta the top, screwed on wit To be installed with a so nsioned self-locking met ng to the Strauch GmbH ess ca. 1.5 mm, strengtl	iner measuren h a screw locat rewing device, al screw in acc H. The Drumgu	nents). ed in the torque ordance ard®Qua	e middle of the pallet to be tested with a with ETA-12/019 and ttro System is made of	
Employed Standards:	DIN EN 12195-1 Incl. test up to 45° /lei Incl. test up to 45° /sic	ngth impact	40509 2. Horizontal 3 times in 2 directions, y 90°	Dynamic d 3xfull brak	VIN EN 12642 Annex B Aynamic driving test xfull brake 0.8g, 3xcornering 0.6g, xreversing 0.6g		
Result:	be described as suffici in 2 impact directions time during the test. T blocking method if the other suitable certified suitable means. When (curtainside trailer), fr	ently stable. T was < 6 cm an 'he load units o ere are bevelle d side wall syst loading Drum iction and forc		load units after than 2 cm ma hicle with Code mm in height oty spaces of > hicles with a Co st be employed	r being e ximum c e XL certi at the sic 8 cm are ode L vel I additio	fication using a de, or a board wall or e to be filled using nicle body stability nally. The maximum	
Complete system tester:	EUROSAFE GmbH, Wo according to DIN EN IS transport (incl. danger and load unit formatic	O/IEC 17024:2 ous goods) for			ZN-20120507-0253 valid unitl 08/2022		
Signature / stamp:	leuman t	UN EN ISO/IEC 17024/20 ZH-2012-05-07-0253 Guilty bio Revenant UN EN ISO/IEC 17024/20 ZH-2012-05-07-0253 Guilty bio 8/2022	Steinwir 63457 H Date of	Location of issue: Steinwingertstraße 27 63457 Hanau Date of certificate issue: 22/12/2017			
Creator	Wolfgang Neumann	-inizierter Sachv		I			
File name: 2017-10-0	01-1 Drumguard®Quatt	ro Metall				Page 1 of 2	

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TEST CERTIFICATE



Version: 01	Load unit formation of 4 x 216.5 l metal drums on 3/CP 9 pallet with Drumguard®Quattro Syster					
EUROSAFE Certificate no. / long version	2017-10-001	Test location:	TU Darmstadt Airfield premises	Test date:	31/09/2017-Driving test 06/10/2017-Test bench	
Client	Strauch GmbH Mr A. Strauch Mr H. Vetter	Persons present	Certified expert Neumann/EUROSAFE The client was present during the tests			
Static inclination test DIN EN 12195-1 Inclination angle: 45 degrees Inclination duration: 10 minutes Result: no displacement > 2 cm		Dynamic horizontal test EUMOS 40509 Impact: 3 x 0.8g in 2 x 90 degrees offset. Gradient: 0.8g in 0.05 sec. Residence time: at least 0.5 sec. /0.8g Result: displacement < 2cm after 3 impacts each		-	Dynamic driving test; EN 12642 Ann. B 3 x cornering & dodging 0.5g > 1 s 3 x full brake 0.8g 3 x reversing: 0.5g Result: maximum permitted vehicle width was not exceeded, no damage to the goods or the vehicle.	
		Residence time Result: displace	: at least 0.5 sec. /0.8g	3 x reversin cts Result: ma width was	ng: 0.5g ximum permitted vehicle not exceeded, no damage to	
Result: no displacem	EUROSAFE Gmbl according to DIN	Residence time Result: displace each H, Wolfgang Neu EN ISO/IEC 1702 cl. dangerous go	at least 0.5 sec. /0.8g ment < 2cm after 3 impa mann, certified expert 24:2012 for road, rail and ods) for Load securing,	3 x reversin Result: ma width was the goods Tester	ng: 0.5g ximum permitted vehicle not exceeded, no damage to or the vehicle. ZN-20120507-0253	
Result: no displacem Complete system tester:	EUROSAFE Gmbł according to DIN sea transport (in packaging and lo	Residence time Result: displace each H, Wolfgang Neu EN ISO/IEC 1702 cl. dangerous go ad unit formatio	at least 0.5 sec. /0.8g ment < 2cm after 3 impa mann, certified expert 24:2012 for road, rail and ods) for Load securing, n	3 x reversin Result: ma width was the goods Tester certification number: Location o	ng: 0.5g ximum permitted vehicle not exceeded, no damage to or the vehicle.	
	EUROSAFE Gmbl according to DIN sea transport (in	Residence time Result: displace each H, Wolfgang Neu EN ISO/IEC 1702 cl. dangerous go ad unit formatio	at least 0.5 sec. /0.8g ment < 2cm after 3 impa mann, certified expert 24:2012 for road, rail and ods) for Load securing, n Issicher, the ember Neumann C 17024:2012 5-07-0253	3 x reversin Result: ma width was the goods Tester certification number: Location o Steinwinge 63457 Han	ng: 0.5g ximum permitted vehicle not exceeded, no damage to or the vehicle.	
Result: no displacem Complete system tester:	EUROSAFE Gmbł according to DIN sea transport (in packaging and lo	Residence time Result: displace each H, Wolfgang Neu EN ISO/IEC 1702 cl. dangerous go ad unit formatio	at least 0.5 sec. /0.8g ment < 2cm after 3 impa mann, certified expert 24:2012 for road, rail and ods) for Load securing, n Issicher, the ember Neumann C 17024:2012 5-07-0253	3 x reversin Result: ma width was the goods Tester certification number: Location o Steinwinge 63457 Han	ng: 0.5g ximum permitted vehicle not exceeded, no damage to or the vehicle. ZN-20120507-0253 valid until 08/2022 f issue: ertstraße 27 au rtificate issue:	