



OVARO

OVARO 404
 WHITE UNCOATED BOARD
 WITH MANILA BACK
 UT

TECHNICAL SPECIFICATION

SUBSTANCE	CALIPER	BULK	STIFFNESS TABER *(15°)				STIFFNESS DIN *(5°)	
			MD	CD	MD	CD	MD	CD
ISO 536	ISO 534	ISO 534	ISO 2493		ISO 2493		DIN 53121	
g/m²	mm	cm³/g	g.cm	g.cm	mN.m	mN.m	mN.m	mN.m
400	0.57	1.43	245	120	24	11.8	45.7	22.4
440	0.63	1.43	280	135	27.5	13.2	52	25
470	0.68	1.44	320	150	31.4	14.7	60	28
500	0.72	1.44	400	200	39.2	19.6	75	37
600	0.86	1.43	825	335	80.9	32.9	154	63
750	1.08	1.43	1250	550	122.6	54	233	103

(*) TABER FIGURES ARE GUARANTEED; L&W FIGURES ARE CALCULATED.

BRIGHTNESS		
TOP	75%	ISO 2470 (Photovolt)
BACK	60%	ISO 2470 (Photovolt)
MOISTURE	6,5%	ISO 287

TOLERANCES		
SUBSTANCE	+/- 3%	average of order
MOISTURE	+/- 1	average of order
CALIPER	+/- 4%	for single determinations (95% of values)
STIFFNESS	- 10%	for single determinations (95% of values)
BRIGHTNESS	Lim. inf. - 2	for single determinations (95% of values)
TEST CONDITIONS	T: 23° C +/- 1	RH: 50% +/- 2
SAMPLING	/	ISO 186

CERTIFICATIONS: ISO 9001 / ISO 14001 / ISO 50001 / OHSAS 18001
 FSC® - C081817 - PEFC™ INT-PEFC/COC-001142 CERTIFIED BOARD IS AVAILABLE ON REQUEST

Dr. Ralph DerraÖffentlich bestellter und vereidigter Sachverständiger für
Verpackungsmaterialien, Boden- und Luftanalysen;
Sachverständiger in der Wasseranalytik

14 March 2019

Dr. Dr/Hf-pf

**UNBEDENKLICHKEITSERKLÄRUNG
CERTIFICATE OF COMPLIANCE
CERTIFICAT DE CONFORMITE**eingetragen
registered no.
registré

49181 U 19

für
for
pourR.D.M. Ovaro S.p.A.
Via della Cartiera, 27
33025 Ovaro (UD)
ItalyProdukt
Product
Produit703-723
404-704-724
706-726
407-707-719-729
755
906

The products manufactured by the company mentioned above are board grades which are used for food packaging.

They were examined by us according to the

"Methoden zur Untersuchung von Papieren, Kartons und Pappen für Lebensmittelverpackungen", Stand 2008, entsprechend der Vorschrift Nr. 80.56 in der Amtlichen Sammlung von Untersuchungsverfahren nach § 64 des Lebensmittel- und Futtermittelgesetzbuchs - LFGB,

("Methods for testing papers and boards for food packaging", state of 2008, corresponding to the method no. 80.56 within the Official Collection of Test Methods according to § 64 of the Foodstuffs and Animal Feed Code - LFGB),

as well as to the specific requirements of the

Guidelines of the Council of Europe on test conditions and methods of analysis for paper and board materials and articles intended to come into contact with foodstuffs, Technical Document no. 2, version 3 of 14 November 2007,

for the used raw materials, fabrication additives and special paper finishing agents as well as for the release of substances which might endanger health.

The board grades are in compliance with the rules of the

Regulation (EC) No 1935/2004 of the European Parliament and of the Council of 27 October 2004 on materials and articles intended to come into contact with food and repealing Directives 80/590/EEC and 89/109/EEC, Official Journal of the European Union L 338/4 of 13.11.2004, modified by app. no. 5.17 of the regulation (EC) No 596/2009 of 18 June 2009, Official Journal of the European Union L 188 of 18 July 2009, article 3,

as well as of the

Lebensmittel-, Bedarfsgegenstände- und Futtermittelgesetzbuch (Lebensmittel- und Futtermittelgesetzbuch - LFGB) in der Fassung der Bekanntmachung vom 3. Juni 2013 (BGBl. I S. 1426), zuletzt geändert durch Artikel 1 des Gesetzes vom 30. Juni 2017 (BGBl. I S. 2147), §§ 30 und 31,

(Foodstuffs, Consumer Goods and Animal Feed Code (Foodstuffs and Animal Feed Code - LFGB) in the version of the notification of 3 June 2013 (BGBl. p. 1426), last amendment by article 1 of the act of 30 June 2017 (BGBl. I p. 2147), §§ 30 and 31),

and are approved according to the

BfR-Empfehlung XXXVI. Papiere, Kartons und Pappen für den Lebensmittelkontakt, neu gefasst durch 62. Mitteilung, Bundesgesundheitsblatt 14 (1971) 83, zuletzt geändert durch 221. Mitteilung, Bundesgesundheitsblatt 61 (2018) 236, Stand vom 01.09.2017,

(BfR Recommendation XXXVI. Paper and board for food contact, recasted by 62nd Announcement, Bundesgesundheitsblatt 14 (1971) 83, last amended by 221st Announcement, Bundesgesundheitsblatt 61 (2018) 236, as of 1 September 2017).

The demands of the

Resolution of the Council of Europe AP (2002) 1 on paper and board materials and articles intended to come into contact with foodstuffs of 18 September 2002,

and of the

Guidelines of the Council of Europe on paper and board materials and articles, made from recycled fibres, intended to come into contact with foodstuffs, Technical Document no. 3, version 2 of 10 June 2004,

are met by the board grades. Instead of the not yet evaluated Technical Document 1 on constituents, the list of fabrication additives of the German Recommendation XXXVI was consulted.

Thus the board grades **703-723**, **404-704-724**, **706-726**, **407-707-719-729**, **755** and **906** according to the sample material submitted may be used safely for food packaging. They may stand in direct contact with such kind of foodstuffs which are peeled, shelled or washed before consumption and may also be used for secondary packaging. Dry, non-fatty foodstuffs may be packed by using an appropriate intermediate packaging.

This certificate of compliance has a validity of 2 years and consists of 4 pages.

Certification decision



staatlich anerkannter Sachverständiger
zur Untersuchung der Gegenproben von
Verpackungsmitteln aus Papier, Papp,
Kunststoffen, Glas, Weißblech und
sonstigen Metallverpackungen auf ihre
Lebensmittelrechtlichkeit und Unbedenklichkeit

(Höfer)
Officially certified
and authorized food
chemist



Staatlich anerkannter Sachverständiger zur Untersuchung der Gegenproben von Verpackungsmitteln aus Papier, Pappe, Kunststoffen, Glas, Weißblech und sonstigen Metallverpackungen auf ihre lebensmittelrechtliche Unbedenklichkeit

Dr. Ralph Derra

Authorized expert for the analyses of packaging materials, attested by the Aschaffenburg Chamber of Industry and Commerce.

Expert autorisé pour l'analyse des matériaux d'emballage, assermenté par la Chambre d'Industrie et de Commerce d'Aschaffenburg.

State registered expert for the analysis of contrasting samples of packaging materials of paper, board, plastics, glass, tin plate and other metallic packaging materials as to their suitability for use with foodstuffs.

Expert public pour l'étude du contrôle des contre-échantillons d'emballages de papier, cartons, plastiques, verre, fer-blanc et d'autres emballages métalliques concernant leur conformité alimentaire.



Dr. Ralph Derra

Authorized expert for the analyses of soil and air, attested by the Aschaffenburg Chamber of Industry and Commerce.

Expert autorisé pour l'analyse du sol et de l'air, assermenté par la Chambre d'Industrie et de Commerce d'Aschaffenburg.

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