Brangs + Heinrich GmbH
Felder Straße 79-81
42651 Solingen
Telefon +49 (0)212 2403-0
Telefax +49 (0)212 2403-114
E-Mail solingen@brangs-heinrich.de
Internet www.brangs-heinrich.com

Brangs + Heinrich
Verpacken. Schützen. Sichern.

Declaration of Conformity
Bleached Bakingpaper, 41 - 42 g/qm

Intended Use

Bleached Bakingpaper is a siliconized baking paper based on a bleached parchment paper with a natural grease-proof effect and a grammage of 41g/sqm. It is useable on one side and printed with the Bleached Bakingpaper standard printing, a customized printing is also possible. Bleached Bakingpaper offers very high release properties and is ideal for baking, steam cooking, freezing, as well as for separating food products. The baking paper is used in bakeries and in the catering-business, aswell as in the confectionary industry. Blechrein Pro can be used in conventional ovens up to a temperature of 220 °C (≈ 428 °F) and may be in contact with dry, moist and greasy foods.

Hygiene, Codex Alimentariusand HACCP

Applied hygiene is a matter of course in the production process of Brangs + Heinrich GmbH. All products, which are produced as consumer goods for contact with food are produces in accordance with the requirements of the EC-Regulation No. 852/2004 for food hygiene. The manufacturing process and all materials used are regularly evaluated in a risk assessment according to the principles of HACCP and on the basis of the Codex Alimentarius.

Legal requirements and standards

Brangs + Heinrich confirms that all goods delivered under this labeling and within the validity of this confirmation meet the requirements of the laws and standards listed below (at the time of delivery in current version):

- Regulation (EC) No 1935/2004 (materials and articles in contact with foodstuffs)
- Regulation (EC) No 2023/2006 (GMP and printing ink)
- Regulation (EC) No 852/2004 (Food Hygiene)
- Regulation (EC) No 1169/2011 (Allergens)
- Food and Feed Code (German Regulation - LFGB)
- German Consumer Goods Ordinance (Bedarfsgegenstände VO)

Recommendations of the Federal Institute for Risk Assessment (BfR)

- BfR recommendation XXXVI (Paper, cardboard, paperboard up to 90° C)
- BfR recommendation XXXVI/2 (Paper, cardboard, paperboard up to 220° C)

All components of the materials used in the formulation of Bleached Bakingspaper are tested prior to production on conformity with the contents of the recommendations of the Federal Institute for Risk Assessment (BfR) No. XXXVI and XXXVI/2. Confirmations of Conformity from all suppliers are provided. All substances used in the product are rated in the BfR XXXVI (paper, color, silicones) and BfR XXXVI/2 (paper, color, silicones) and classified as harmless.

Code of Federal Regulations, Food and Drugs (FDA), 21.Ch.I
The materials used in the formulation comply with the following FDA-Regulations:

- 21.CFR, 176.170: ,,Components of Paper and Paperboard in contact with aqueous and fatty food"
- 21.CFR, 176.180: ,,Components of Paper and Paperboard in contact with dry food"

Regulation Switzerland
The constituents of the printing ink used are listed in the positive list of Annex 10 of the EDI Ordinance of the FDHA on materials and articles of 23 November 2005, state of 01 May 2017.

Recycling materials
All products are made exclusively from fresh fiber cellulose. No recycling material is used in the manufacturing process.

Analysis, safety and migration
All ingredients of Bleached Bakingpaper delivered by Brangs + Heinrich GmbH are regularly analyzed by recognized independent institutes according to the “Methods to study materials that are intended to come into contact with food”.

SML/OML
Bleached Bakingspaper clearly does not fall within the scope of the Regulation (EC) 10/2011. The limit values resulting from the regulation “OML” cannot be applied to products made of paper. A comparison with the regulation (EC) 1129/2011 for food additives cannot be applied.
Specific migration values (SML) of all ingredients are analyzed by independent institutes according to Directive 94/62/EC of 20.12.1994 (last amended by Directive 2013/2/EU) by independent institutes. The results show: ***“Bleached Bakingpaper”*** **can be safely used in contact with food products.**

Determination of pentachlorophenol (PCP) in water extract
The determination was carried out according to DIN EN ISO 15320:2011-08 by means of GC-ECD after enrichment on a precolumn and esterification.
Result: not determinable <0.01 mg / kg dry matter

Determination of elements in cold water extract:
The determination was carried out according to DIN EN 12497:2005-11 and DIN EN 12498:2019-02.
Extract from the analysis values:

Determination	Result
Cadmiume (Cd)	Not determinable < 0,001 mg/l water extract
Mercury (Hg)	Not determinable < 0,001 mg/l water extract
Lead (Pb)	Not determinable < 0,001 mg/l water extract
Chrome (Cr)	Not determinable < 0,004 mg/l water extract
Aluminium (Al)	Not determinable < 0,2 mg/l water extract

Determination of polychlorinated biphenyls (PCB)
The determination was carried out accorting to DIN EN ISO 15318:1999-12 by means of GC-ECD. The numbers refer to the Ballschmiter nomenclature.

	Determination	Result
18	2,2‘5- Trichlorine biphenyl	Not determinable < 0,01 mg/kg TM
28	2,4,4‘-Trichlorine biphenyl	Not determinable < 0,01 mg/kg TM

The above information correspond with the current level of knowledge
and are nonbinding. Legal claims can´t be derived herefrom.

52	2,2‘,5,5‘-Tetrachlorbiphenyl	Not determinable < 0,01 mg/kg TM
101	2,2‘,4,5,5‘-Pentachlorbiphenyl	Not determinable < 0,01 mg/kg TM
138	2,2‘,2,4,4‘,5- Hexachlorbiphenyl	Not determinable < 0,01 mg/kg TM
153	2,2‘4,4‘5,5‘-Hexachlorbiphenyl	Not determinable < 0,01 mg/kg TM
180	2,2‘,3,4,4‘,5,5‘-Heptachlorine biphenyl	Not determinable < 0,01 mg/kg TM

Fluorescent components

The test was carried out under UV light.

Result: Belached bakingpaper contains no optically brightened parts.

Color fastness of dyed paper or cardboard

The determination was carried out according to DIN EN 646:2019-02. Bleached bakingpaper is in the highest color fastness level 5, whereby the evaluation grades are distinguished between 1 (low color fastness) and 5 (good color fastness).

Determination of volatile monomers

The determination was carried out according to SOP by means of Headspace-GCMS in 95% ethanol extract. Following compounds were considered:

Determiantion	CAS-No.	Result	Limit	SML
Methylacrylat	96-33-3	Not determinable	< 0,2 mg/kg Extract	SML: (T) = 6 mg/kg
Ethylacrylat	140-88-5	Not determinable	< 0,2 mg/kg Extract	SML: (T) = 6 mg/kg
Butylacrylat	141-32-2	Not determinable	< 0,2 mg/kg Extract	SML: (T) = 6 mg/kg
2-Ethylhexylacrylat	103-11-7	Not determinable	< 0,05 mg/kg Extract	SML: (T) = 0,05 mg/kg
Methylmethacrylat	80-62-6	Not determinable	< 0,2 mg/kg Extract	SML: (T) = 6 mg/kg
Butylmethacrylat	97-88-1	Not determinable	< 0,2 mg/kg Extract	SML: (T) = 6 mg/kg
Isobutylmethacrylat	97-86-9	Not determinable	< 0,2 mg/kg Extract	SML: (T) = 6 mg/kg
Styrol	100-42-5	Not determinable	< 0,2 mg/kg Extract	
α-Methylstyrol	98-83-9	Not determinable	< 0,05 mg/kg Extract	SML: (T) = 0,05 mg/kg

Determination of pigment impurities in cold water extract:

The determination was carried out according to SOP 162.200 by the means of LCMS in water extract.

Following compounds were considered:

Determiantion	CAS-No.	Limit	Result
3-Hydroxy-2-naphthanilid (Naphthol AS)	92-77-3	0,01 mg/l water extract	Not determinable
2‘,4‘-Dimethylacetoacetanilid (Acetoacetyl-m-xylidin)	97-36-9	0,01 mg/l water extract	Not determinable
2‘,4‘-Dimethylacetanilid (N-(2,4-Dimethylphenyl)acetamid)	2050-43-3	0,01 mg/l water extract	Not determinable
2‘-Ethoxy-3-hydroxy-2-naphthanilid (Naphthol AS-PH)	92-74-0	0,01 mg/l water extract	Not determinable
3-Hydroxy-2’methoxy-2-naphthanilid (Naphthol AS-OL)	135-62-6	0,01 mg/l water extract	Not determinable
5‘-Chlor-3-hydroxy-2‘-methyl-2-naphthanilid (Naphthol AS-KB)	135-63-7	0,01 mg/l water extract	Not determinable
5‘-Chlor-3-hydroxy-2‘-methoxy-2-naphthanilid (Naphthol AS-CL)	137-52-0	0,01 mg/l water extract	Not determinable

4‘-Chlor-3-hydroxy-2‘,5‘-dimethoxy-2-naphthanilid (Naphthol AS-LC)	4273-92-1	0,01 mg/l water extract	Not determinable
N,N‘-(1,4-Phenylen)bis(acetoamid)	24731-73-5	0,01 mg/l water extract	Not determinable
2-Chloracetoacetanilid	93-70-9	0,01 mg/l water extract	Not determinable
2-Chloranilin	95-51-2	0,01 mg/l water extract	Not determinable
3-Amino-9-ethylcarbazol	132-32-1	0,01 mg/l water extract	Not determinable
3-Methyl-1-p-toluyl-5-pyrazolon	86-92-0	0,01 mg/l water extract	Not determinable
3-Methyl-1-phtenyl-2-pyrazolon	89-25-8	0,01 mg/l water extract	Not determinable
2-Aminoterephthalsäure	10312-55-7	0,01 mg/l water extract	Not determinable
1-Mathyl-2-aminoterephthalat	60728-41-8	0,01 mg/l water extract	Not determinable
Diisopropylsuccinat	924-88-9	0,01 mg/l water extract	Not determinable

Determination of perfluorooctanoic acid (PFOA) und perfluorooctanoic acid sulfonate (PFOS)

The determination was carried out according to SOP 162.200 in a methanol extract by means of LC-MS.
Result:

Perfluoroalkyl acids	CAS-No.	Limit	Result
butan (PFBA)	375-22-4	0,01 mg/kg	Not determinable
pentan (PFPeA)	2706-90-3	0,01 mg/kg	Not determinable
hexan (PFHxa9)	307-24-4	0,01 mg/kg	Not determinable
heptan (PFHpA)	375-85-9	0,01 mg/kg	Not determinable
octan (PFOA)	335-67-1	0,01 mg/kg	Not determinable
nonan (PFNA)	375-95-1	0,01 mg/kg	Not determinable
decan (PFDA)	335-76-2	0,01 mg/kg	Not determinable
undecan (PFUnDA)	2058-94-8	0,01 mg/kg	Not determinable
dodecan (PFDoDA)	307-55-1	0,01 mg/kg	Not determinable
tridecan (PFTrDA)	72629-94-8	0,01 mg/kg	Not determinable
tetradecan (PFTeDA)	376-06-7	0,01 mg/kg	Not determinable
hexadecan (PFHxDA)	67905-19-5	0,01 mg/kg	Not determinable
octadecan (PFOcDA)	16517-116-6	0,01 mg/kg	Not determinable

Perfluoroalkyl acids sulfonate	CAS-No.	Limit	Result
butansulfon (PFBS)	375-73-5	0,01 mg/kg	Not determinable
pentansulfon (PFPeS)	2706-91-4	0,01 mg/kg	Not determinable
hexansulfon (PFHxS)	355-46-4	0,01 mg/kg	Not determinable
heptansulfon (PFHxS)	375-92-8	0,01 mg/kg	Not determinable
octansulfon (PFOS)	1763-23-1	0,01 mg/kg	Not determinable
nonansulfon (PFNS)	68259-12-1	0,01 mg/kg	Not determinable
decansulfon (PFDS)	335-77-3	0,01 mg/kg	Not determinable
undecansulfon (PFUnDS)	74978-16-1	0,01 mg/kg	Not determinable
dodecansulfon (PFDoS)	79780-39-5	0,01 mg/kg	Not determinable
tridecansulfon (PFTrDS)	791563-89-8	0,01 mg/kg	Not determinable
H4-Polyfluoroctansulfonsäure (H4PFOS)	27619-97-2	0,01 mg/kg	Not determinable
Perfluoroctansulofonamid (PFOSA)	754-91-6	0,01 mg/kg	Not determinable

Determination of petroleum hydrocarbons (MOSH/MOAH):
The determination of the paraffinic, naphthenic mineral oil hydrocarbons (MOSH) and the aromatic mineral oil hydrocarbons (MOAH) was carried out according to the method published by the German "National Reference Laboratory for substances intended to come into contact with food".

After extraction with a mixture of ethanol / hexane, on-line coupled HPLC-GC-FID was analyzed against internal standards. In both fractions the chromatographically unresolved mountain was integrated including applied signals. Hydrocarbon compounds which do not belong to the mineral oils were subtracted during the quantification.

	MOSH				MOAH			
	$< C_{16}$	$< C_{16}$ - $\leq C_{25}$	$< C_{16}$ - $\leq C_{35}$	$< C_{16}$ - $\leq C_{35}$	$< C_{16}$	$< C_{16}$ - $\leq C_{25}$	$< C_{16}$ - $\leq C_{35}$	
Result	< 5	92	157	117	< 5	< 3	3,6	mg/kg
	Not determinable				Not determinable	Not determinable		

Determination of single phthalates
The determination was carried out according to SOP 160.200 gas chromatographically in an acetone extract by means of mass spectrometric detection:
Result:

- Diisobutylphthalat: not determinable < 1 mg/kg
- Dibutylphthalat: not determinable < 1 mg/kg
- Di(2-ethylhexyl)phthalat: not determinable < 1 mg/kg
- Di-n-octylphthalat: not determinable < 1 mg/kg
- Benzylbutylphthalat: not determinable < 1 mg/kg
- Dimethylphthalat: not determinable < 1 mg/kg

Release of Volatile Compounds
The investigation is carried out by means of thermal desorption. The sample was heated in the helium stream as follows:

	A	B
Initial temperature:	40	40 °C
Final temperature:	220	290 °C
Heating rate:	-	40 °C/min
Hold time:	12	5 minutes

The released substances were separated by gas chromatography after cryofocusing according to SOP and identified by mass spectrometer exclusively via a spectral library. Structural isomers are not distinguished.

A quantitative estimation of the emitted substances was done summarily on the basis of deuterated nonadecan (C19) as an external standard. A distinction was made between slightly volatile to medium volatiles (boiling or elution range before nonadecan) and medium to low volatility (boiling or elution range after nonadecane) substances.

Result:
Share of light to medium volatile compounds:
(Sum of the signals with the retention time < C19) 39 mg/kg
Share of medium to low volatile compounds:
(Sum of the signals with the retention time > C19) 20 mg/kg

Semi quantitative evaluation of signals in the chromatogram

	mg/kg
Ameisensäure	4
Essigsäure	2
Hydroxyaceton	3
Hydroxybutanon	5
Propylenglykol	12
Furfural	3
Furanmethanol	5
Furanon	3
2-Hydroxycyclopent-2-en-1-on /	3
Lineare, verzweigte und cyclische Siloxane (summe)	43
Alkane (Summe)	4

Sensory examinations

On the present sample, a low-aroma cake was baked on the paper side (220°C/15) minutes. The smell and taste of the cake was then assessed by six inspectors in an extended triangular test according to DIN ISO 4120.
Result: no odor and taste deviations

Regulation (EC) 1907/2006 (REACH)

Bleached Bakingspaper is a product without release of substances within the meaning of the REACH Regulation (EC) 1907/2006.
Therefore, there is no legal obligation to provide a safety data sheet for this product. Bleached Bakingspaper does not contain any substances causing particular concern (SVHCs) beyond 0.1% series which are listed in the candidate list.

Biocidal products under Regulation (EC) 528/2012

All materials applied for the product meet the Requirements of Regulation (EC) No. 528/2012.

KMR (CMR) substances according to TRGS 905

The substances used in the formulation are not carcinogen, mutagenic or toxic for reproduction. No substances referred to in TRGS 905 are used.

Temperature resistance

Independent analysis have shown that the product can safely be used up to 220 ° C.

Colors

All shades of color used for this product are in accordance with the stipulations of the Federal Institute for Risk Assessment No. XXXVI/2.

NIAS (Not intentionally added substances)

During the manufactoring process reaction and degradation of formulation components (NIAS) may occur in the finished article. In the performed NIAS screenings no substances above the detection limit of 10 µg/kg foodstuff (simulant) have been evidenced.
Beyond Brangs + Heinrich GmbH control area we expressly point out that there is a risk of contamination of these substances due to improper storage.

Specific determination of the primary aromatic amines in the water extract

The determination is carried out in accordance with DIN EN 17163: 2019-05 by LCMS. The following compounds were considered:

Determination	CAS-No.	Limit	Result
Anilin	[62-53-3]	0,002 mg/l water extract	Not detectable
4-Aminodiphenyl	[92-67-1]	0,002 mg/l water extract	Not detectable
Benzidin	[92-87-5]	0,002 mg/l water extract	Not detectable
4-Chlor-o-toluidin	[95-69-2]	0,002 mg/l water extract	Not detectable
2-Naphthylamin	[91-59-8]	0,002 mg/l water extract	Not detectable
o-Aminoazotoluol	[97-56-3]	0,002 mg/l water extract	Not detectable
2-Amino-4-nitrotoluol	[99-55-8]	0,002 mg/l water extract	Not detectable
4-Chloranilin	[106-47-8]	0,002 mg/l water extract	Not detectable
2,4-Diaminoanisol	[615-05-4]	0,002 mg/l water extract	Not detectable
4,4‘-Diaminodiphenylmethan	[101-77-9]	0,002 mg/l water extract	Not detectable
3,3‘-Dichlorbenzidin	[91-94-1]	0,002 mg/l water extract	Not detectable
3,3‘-Dimethoxybenzidin	[119-90-4]	0,002 mg/l water extract	Not detectable
3,3‘-Dimethylbenzidin	[119-93-7]	0,002 mg/l water extract	Not detectable
3,3‘-Dimethyl-4,4‘diaminodiphenylmethan	[838-88-0]	0,002 mg/l water extract	Not detectable
p-Kresidin	[120-71-8]	0,002 mg/l water extract	Not detectable
4,4‘-Methylen-bis(2-chloranilin)	[101-14-4]	0,002 mg/l water extract	Not detectable
4,4‘-Oxydianilin	[101-80-4]	0,002 mg/l water extract	Not detectable
4,4‘-Thiodianilin	[139-65-1]	0,002 mg/l water extract	Not detectable
o-Toluidin	[95-53-4]	0,002 mg/l water extract	Not detectable
2,4-Toluoldiamin	[95-80-7]	0,002 mg/l water extract	Not detectable
2,4,5-Trimethylanilin	[137-17-7]	0,002 mg/l water extract	Not detectable
o-Anisidin	[90-04-0]	0,002 mg/l water extract	Not detectable
4-Aminoazobenzol	[60-09-3]	0,002 mg/l water extract	Not detectable
p-Toluidin	[106-49-0]	0,002 mg/l water extract	Not detectable
2,4-Dimethylanilin	[95-68-1]	0,002 mg/l water extract	Not detectable
1,2-Phenylendiamin	[95-54-5]	0,002 mg/l water extract	Not detectable
1,3-Phenylendiamin	[108-45-2]	0,002 mg/l water extract	Not detectable
1,4-Phenylendiamin	[106-50-3]	0,002 mg/l water extract	Not detectable
5-Chlor-2-methoxyanilin	[95-03-4]	0,002 mg/l water extract	Not detectable
4-Chlor-2,5-dimethoxyanilin	[6358-64-1]	0,002 mg/l water extract	Not detectable
2,6-Toluoldiamin	[823-40-5]	0,002 mg/l water extract	Not detectable
2,4-Dichloranilin	[554-00-7]	0,002 mg/l water extract	Not detectable
3-Amino-p-anisanilid	[120-35-4]	0,002 mg/l water extract	Not detectable
2-Methoxy-4-nitroanilid	[97-52-9]	0,002 mg/l water extract	Not detectable
5-Chlor-2-methylanilin	[95-79-4]	0,002 mg/l water extract	Not detectable
3-Amino-4-methylbenzamid	[19406-86-1]	0,002 mg/l water extract	Not detectable
2-Ethoxyanilin	[94-70-2]	0,002 mg/l water extract	Not detectable
4-Amino-benzamid	[2835-68-9]	0,002 mg/l water extract	Not detectable
1,5-Diaminonaphthalin	[2243-62-1]	0,002 mg/l water extract	Not detectable
Dimethylaminoterephthalat	[5372-81-6]	0,002 mg/l water extract	Not detectable

Waste / disposal

Bleached Bakingspaper is in accordance with the Directive 94/62 (EC) as well as with Directive 2004/12 (EC) on packaging and packaging wastes.

The baking paper is in conformity with the requirements of:

- DIN EN 13427 (Requirements of packaging)
- DIN EN 13428 (Manufacturing and composition of packaging)
- DIN EN 13429 (Packaging, reuse)
- DIN EN 13431 (Energy recovery)

Basically, Bleached Balingspaper, whether used or unused, is thermally recyclable.

Self-Commitment
Brangs + Heinrich is committed to implement legal regulations and changes in the above-mentioned regulations immediately within the predeterminated response time and incorporate it in its production process.

Validity
This document is valid until October 2024.