

**ANALYTICAL CERTIFICATE**  
**No 1214/31.7.2019**

**Name of the product: LAVENDER WATER**

**Batch No : 4357302**

**Best Before Date: April 2020**

**TEST RESULTS:**

<b>1. Appearance:</b>	<b>Transparent liquid</b>
<b>2. Color:</b>	<b>Colorless</b>
<b>3. Odor:</b>	<b>of Lavender</b>
<b>4. Content of essential oil, % (m/m):</b>	<b>0,044</b>
<b>5. Content of Ethyl alcohol, % (v/v):</b>	<b>0,4</b>
<b>6. Relative density <math>d_{20}^{20}</math> :</b>	<b>0,9994</b>
<b>7. pH direct 20<sup>0</sup>C :</b>	<b>6,3</b>
<b>8. Microbiological tests</b>	
<b>Total heterotrophic germs, molds and fungi contents, CFU/cm<sup>3</sup></b>	<b>&lt; 10</b>
<b>Pathogeneous &amp; Conditionally pathogeneous germs of</b>	<b>None</b>
<b>Staphylococcus aureus; Pseudomonas aeruginosa, E coli,</b>	
<b>Candida albicans</b>	

**THE TESTED SAMPLE CONFORMS TO THE INTERNAL SPECIFICATION**



## FLOWCHART

Lavandula angustifolia

Filling of distillation unit

Stam distillation

Condensation and cooling

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Separation

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**Floral Water**

**Essential oil**

Purified water

Ethanol 96%

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Nano and Micro Filtration

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Mixing

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Packing

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Nano and Micro Filtration

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**Lavender Flower Water**

Packing

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**Lavender Hydrosol  
Flower Water**

## IFRA 48 INFORMATION SHEET

Product name: Lavender Flower Water

This material complies with the most current IFRA Guidelines? (IFRA 48)

Yes

No

According to the IFRA 48<sup>th</sup> amendment, please complete the tables below:

### EU Fragrance Allergens

Ingredient Name	CAS number	% Total
alpha-Amyl Cinnamic Aldehyde	122-40-7	-
alpha-Amyl Cinnamic Alcohol	101-85-9	-
Anisyl Alcohol	105-13-5 1331-81-3	-
Benzyl Alcohol	100-51-6	-
Benzyl Benzoate	120-51-4	-
Benzyl Cinnamate	103-41-3	-
Benzyl Salicylate	118-58-1	-
Cinnamic Alcohol	104-54-1	-
Cinnamic Aldehyde	104-55-2	-
Citral (mixture of neral + geranial)	5392-40-5	-
Citronellol	106-22-9	-
Coumarin	91-64-5	-
Eugenol	97-53-0	-
Farnesol	4602-84-0	-
gamma-Methyl Ionone	127-51-5	-
Geraniol	106-24-1	-
Hexyl Cinnamic Aldehyde	101-86-0	-
Hydroxyisohexyl 3-Cyclohexene Carboxaldehyde	31906-04-4 51414-25-6	-
Hydroxycitronellal	107-75-5	-
Iso Eugenol	97-54-1	-
Butylphenyl Methylpropional	80-54-6	-
Limonene	5989-27-5 138-86-3 5989-54-8	0,1
Linalool	78-70-6	30
Methyl Heptine Carbonate	111-12-6	-
Oakmoss	68917-10-2 90028-68-5	-
Treemoss	68648-41-9 90028-67-4	-

**IFRA 48th Amendment restricted substances**

Ingredient Name	CAS number	% Total
Acetic acid, anhydride, reaction products with 1,5,10-trimethyl-1,5,9-cyclododecatriene (Trimofix O, Fixamber)	144020-22-4 28371-99-5	-
5-Acetyl-1,1,2,3,3,6-hexamethyl indan (AHMI)	15323-35-0	-
Acetylated Vetiver oil	117-98-6 62563-80-8 68917-34-0 73246-97-6 84082-84-8	-
Allyl phenoxyacetate	7493-74-5	-
Angelica root oil	8015-64-3	-
Benzaldehyde	100-52-7	-
Bergamot oil expressed	8007-75-8	-
Bitter orange peel oil expressed	68916-04-1 72968-50-4	-
$\alpha$ -Butylcinnamaldehyde	7492-44-6	-
p-tert-Butyldihydrocinnamaldehyde (Bourgeonal)	18127-01-0	-
Carvone	99-49-0	-
d-Carvone	2244-16-8	-
l-Carvone	6485-40-1	-
Cinnamic aldehyde dimethyl acetal	4364-06-1	-
Cinnamyl nitrile	1885-38-7 4360-47-8	-
Citrus oils and other furocoumarins containing essential oils (Bergapten)	-	-
Cuminaldehyde	122-03-2	-
Cumin oil	8014-13-9	-
Cyclamen aldehyde	103-95-7	-
Cyclopentadecanolide	106-02-5	-
Dibenzyl ether	103-50-4	-
Dihydrocoumarin	119-84-6	-
6,7-Dihydro-1,1,2,3,3-pentamethyl-4(5H)- indanone (DPMI, Cashmeran)	33704-61-9	-
Dimethylcyclohex-3-ene-1-carbaldehyde (mixed isomers)	68737-61-1 68039-49-6 68039-48-5 27939-60-2 67801-65-4 36635-35-5 68084-52-6 35145-02-9	-
1-(5,5-Dimethyl-1-cyclohexen-1-yl)pent-4-en-1-one	56973-85-4	-
2,2-Dimethyl-3-(3-tolyl)propan-1-ol (Majantol)	103694-68-4	-
2-Ethoxy-4-methylphenol	2563-07-7	-
p-Ethylbenzaldehyde	4748-78-1	-
Estragole	140-67-0	-
Furfural	98-01-1	-
Grapefruit oil expressed	8016-20-4	-
2-Heptylidene cyclopentan-1-one	39189-74-7	-
trans-2-Hexenal	6728-26-3	-

Ingredient Name	CAS number	% Total
$\alpha$ -Hexylidene cyclopentanone	17373-89-6	-
Hexyl salicylate	6259-76-3	-
p-Isobutyl- $\alpha$ -methyl hydrocinnamaldehyde	6658-48-6	-
Isocyclocitral	1335-66-6 1423-46-7 67634-07-5	-
Isocyclogeraniol	68527-77-5	-
Jasmine absolute (grandiflorum)	8022-96-6 8024-43-9 90045-94-6 84776-64-7	-
Jasmine absolute (sambac)	91770-14-8	-
Lemon oil cold pressed	8008-56-8	-
Lime oil expressed	8008-26-2	-
Melissa oil (genuine Melissa officinalis L.)	8014-71-9 84082-61-1	-
p-Mentha-1,8-dien-7-al (Perilla aldehyde)	2111-75-3	-
Menthadiene-7-methyl formate	68683-20-5	-
p-Methoxybenzaldehyde	123-11-5	-
o-Methoxycinnamaldehyde	1504-74-1	-
Methoxy dicyclopentadiene carboxaldehyde (Scentenal)	86803-90-9	-
4-Methoxy- $\alpha$ -methylbenzenepropanal	5462-06-6	-
2-Methoxy-4-methylphenol	93-51-6	-
3-(m-tert-Butylphenyl)-2- methylpropionaldehyde (m-BMHCA)	62518-65-4	-
$\alpha$ -Methyl-1,3-benzodioxole-5-propionaldehyde (MMDHCA)	1205-17-0	-
$\alpha$ -Methyl cinnamic aldehyde	101-39-3	-
Methyl eugenol	93-15-2	-
6-Methyl-3,5-heptadien-2-one (methyl heptadienone)	1604-28-0	-
Methyl ionone, mixed isomers	1335-46-2 127-42-4 127-43-5 127-51-5 7779-30-8 79-89-0	-
Methyl N-methylantranilate	85-91-6	-
Methyl octine carbonate	111-80-8	-
3-Methyl-2-(pentyloxy)cyclopent-2-en-1-one	68922-13-4	-
Methyl $\beta$ -naphthyl ketone	93-08-3	-
2-Nonyn-1-al dimethyl acetal	13257-44-8	-
OTNE (1-(1,2,3,4,5,6,7,8 Octahydro-2,3,8,8-tetramethyl-2-naphthalenyl) ethanone)	54464-57-2	-
1-Octen-3-yl acetate	2442-10-6	-
Opoponax (all forms)	8021-36-1 9000-78-6 93384-32-8	-
Peru balsam extracts and distillates	8007-00-9	-
1-(2,4,4,5,5-Pentamethyl-1-cyclopenten-1-yl)ethan-1-one	13144-88-2	-
Phenylacetaldehyde	122-78-1	-



Ingredient Name	CAS number	% Total
3-Phenylbutanal	16251-77-7	-
2-Phenylpropionaldehyde	93-53-8	-
3-Propylideneephthalide	17369-59-4	-
Rose ketones	23696-85-7 23726-93-4 43052-87-5 24720-09-0 23726-94-5 23726-92-3 23726-91-2 57378-68-4 71048-82-3 39872-57-6 70266-48-7 33673-71-1 35087-49-1 35044-68-9	-
Styrax (distillates)	94891-27-7 94981-28-8	-
Teal leaf absolute	84650-60-2	-
o,m,p-Tolualdehydes and their mixtures	529-20-4 620-23-5 104-87-0 1334-78-7	-
2,6,6-Trimethylcyclohex-1,3-dienyl methanal	116-26-7	-
Rue oil	8014-29-7	-
Tagetes oil and absolute	91722-29-1 8016-84-0	-
Verbena absolute (Lippia citriodora Kunth.)	8024-12-2 85116-63-8	-
Ylang ylang extracts	8006-81-3 68606-83-7 83863-30-3	-

#### IFRA 48th Amendment specified substances

Ingredient Name	CAS number	% Total
Allyl Esters	N/A	-
Allyl phenoxyacetate	7493-74-5	-
Birch wood pyrolysate	8001-88-5 84012-15-7 85940-29-0 68917-50-0	-
Cade oil (Juniperus oxycedrus L.)	8013-10-3 90046-02-9	-
2,2-Dimethyl-3-(3-tolyl)propan-1-ol (Majantol)	103694-68-4	-
Musk ketone	81-14-1	-
Nootkatone	4674-50-4	-

Ingredient Name	CAS number	% Total
Pinacea derivatives		-
Sclareol	515-03-7	-

#### IFRA 48th Amendment prohibited substances

Ingredient Name	CAS number	% Total
Acetyl ethyl tetramethyl tetralin (AETT, Versalide)	88-29-9	-
Acetyl isovaleryl (5-Methyl-2,3-hexanedione)	13706-86-0	-
Alantroot oil (Elecampane oil)	97676-35-2	-
Allyl heptine carbonate	73157-43-4	-
Allyl isothiocyanate	57-06-7	-
Amylcyclopentenone	25564-22-1	-
Anisylidene acetone (4-(p-methoxyphenyl)-3-butene-2-one)	943-88-4	-
cis-and trans-Asarone ((E)-and(Z)-2,4,5-Trimethoxypropen-1-yl benzene)	2883-98-9 5273-86-9	-
Benzene	71-43-2	-
Benzyl cyanide	140-29-4	-
Benzylidene acetone (4-Phenyl-3-buten-2-one)	122-57-6	-
Birch wood pyrolysate (Crude)	8001-88-5 84012-15-7 85940-29-0 68917-50-0	-
Boldo oil	8022-81-9	-
3-Bromo-1,7,7-trimethylbicyclo[2.2.1]heptane-2-one	76-29-9	-
Bromostyrene	103-64-0	-
p-tert-Butylphenol	98-54-4	-
Cade oil - Juniperus oxycedrus L. (Crude)	8013-10-3 90046-02-9	-
Carvone oxide	33204-74-9	-
Chenopodium oil	8006-99-3	-
Cinnamylidene acetone	4173-44-8	-
Colophony	8050-09-7	-
Costus root oil, absolute and concrete	8023-88-9	-
Cyclamen alcohol (3-(4-Isopropylphenyl)-2-methylpropanol)	4756-19-8	-
1,3-Dibromo-2-methoxy-4-nitro-5-(1,1-dimethylethyl)-6-methyl-benzene (Musk alpha)	63697-53-0	-
1,3-Dibromo-2-methoxy-4-methyl-5-nitrobenzene (Musk KS)	62265-99-0	-
2,2-Dichloro-1-methylcyclopropylbenzene	3591-42-2	-

Ingredient Name	CAS number	% Total
2,4-Dienals	764-40-9	-
	142-83-6	
	80466-34-8	
	5910-85-0	
	30361-28-5	
	6750-03-4	
	2363-88-4	
	13162-46-4	
	21662-16-8	
	25152-84-5	
30361-29-6		
4313-03-5		
Diethyl maleate	141-05-9	-
2,4-Dihydroxy-3-methylbenzaldehyde	6248-20-0	-
4,6-Dimethyl-8-tert-butylcoumarin (Butolia)	17874-34-9	-
3,7-Dimethyl-2-octen-1-ol	40607-48-5	-
Dimethyl citraconate	617-54-9	-
Diphenylamine	122-39-4	-
2,4-Dodecadien-1-ol, (2E, 4E)	18485-38-6	-
Esters of 2-octynoic acid (Except Methyl heptine carbonate which is IFRA Restricted)	10484-32-9 10519-20-7	-
Esters of 2-nonynoic acid, (Except Methyl octine carbonate)	10031-92-2	-
Ethyl acrylate	140-88-5	-
Ethylene glycol monoethyl ether and its Acetate	110-80-5	-
	111-15-9 (acetate)	
Ethylene glycol monomethyl Ether and its Acetate	109-86-4	-
	110-49-6 (acetate)	
Fig leaf absolute	68916-52-9	-
Furfuryl alcohol	98-00-0	-
Furfurylidene acetone	623-15-4	-
Geranyl nitrile	5146-66-7	-
	5585-39-7	
	31983-27-4	
trans-2-Heptenal	18829-55-5	-
2,4-Hexadien-1-ol	111-28-4	-
	17102-64-6	
Hexahydrocoumarin	700-82-3	-
trans-2-Hexenal diethyl acetal	67746-30-9	-
trans-2-Hexenal dimethyl acetal	18318-83-7	-
Hydroabietyl alcohol, dihydroabietyl alcohol	13393-93-6	-
	26266-77-3	
	1333-89-7	
Hydroquinone monoethyl ether (4-ethoxy-Phenol)	622-62-8	-
Hydroquinone monomethyl ether (4-methoxy-Phenol)	150-76-5	-
Isophorone	78-59-1	-
6-Isopropyl-2-decalol (Decatol)	34131-99-2	-
Massoia bark oil	85085-26-3	-



Ingredient Name	CAS number	% Total
Massoia lactone	54814-64-1	-
	51154-96-2	
7-Methoxycoumarin	531-59-9	-
alpha-Methyl anisylidene acetone (1-(4-Methoxyphenyl)-1-penten-3-one)	104-27-8	-
6-Methylcoumarin (Toncarine)	92-48-8	-
7-Methylcoumarin	2445-83-2	-
Methyl crotonate	623-43-8	-
4-Methyl-7-ethoxycoumarin (Maraniol)	87-05-8	-
p-Methylhydrocinnamic aldehyde	5406-12-2	-
Methyl methacrylate	80-62-6	-
3-Methyl-2(3)-nonenenitrile (Citgrenile)	53153-66-5	-
Moskene (1,1,3,3,5-Pentamethyl-4,6-dinitroindane)	116-66-5	-
Musk ambrette	83-66-9	-
Musk tibetene (1-tert-Butyl-2,6-dinitro-3,4,5-trimethylbenzene)	145-39-1	-
Musk Xylene	81-15-2	-
Nitrobenzene	98-95-3	-
2-Pentylidene cyclohexanone	25677-40-1	-
Peru balsam crude	8007-00-9	-
Phenyl acetone (Methyl benzyl ketone)	103-79-7	-
Phenyl benzoate	93-99-2	-
Pseudoionone (2,6-Dimethylundeca-2,6,8-trien-10-one)	141-10-6	-
	26651-96-7	
	72968-25-3	
Pseudo Methylionones	1117-41-5	-
	91-22-5	
	94-59-7	
Quinoline	91-22-5	-
Safrole, Isosafrole, Dihydrosafrole	94-59-7	-
Santolina oil	84961-58-0	-
Savin oil (Juniperus Sabina L.)	8024-00-8	-
	8024-01-9	
Styrax (Crude)	8046-19-3	-
	108-88-3	
Toluene	108-88-3	-
Verbena oil	8024-12-2	-



15.03.2019

## **DECLARATION FOR ORIGIN**

We hereby certify that we are the producer of the following product and it was produced in Bulgaria with 100% Bulgarian origin ingredients.

## **BULGARIAN LAVENDER WATER**



## Material Safety Data Sheet Lavender water

### Section 1: Chemical Product and Company Identification

**Product Name:** Lavender water

**CAS#:** Not available.

**RTECS:** Not available.

**TSCA:** TSCA 8(b) inventory: No products were found.

**CI#:** Not available.

**Synonym:**

**Chemical Name:** Not available.

**Chemical Formula:** Not available.

#### Contact Information:

MADAR Corporation Limited, 19-20 Sandleheath Industrial estate,  
Fordingbridge, Hampshire, SP6 1PA

### Section 2: Composition and Information on Ingredients

#### Composition:

Name	CAS #	% by Weight
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Lavener water		100
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**Toxicological Data on Ingredients:** Not applicable.

### Section 3: Hazards Identification

**Potential Acute Health Effects:** No specific information is available in our database regarding the acute toxic effects of this material for humans.

#### Potential Chronic Health Effects:

**CARCINOGENIC EFFECTS:** Not available. **MUTAGENIC EFFECTS:** Not available. **TERATOGENIC EFFECTS:** Not available.

**DEVELOPMENTAL TOXICITY:** Not available. Repeated or prolonged exposure is not known to aggravate medical condition.

### Section 4: First Aid Measures

**Eye Contact:** No known effect on eye contact, rinse with water for a few minutes.

**Skin Contact:** No known effect on skin contact, rinse with water for a few minutes.

**Serious Skin Contact:** Not available.

**Inhalation:** Allow the victim to rest in a well ventilated area. Seek immediate medical attention.

**Serious Inhalation:** Not available.

#### Ingestion:

Do not induce vomiting. Loosen tight clothing such as a collar, tie, belt or waistband. If the victim is not breathing, perform

mouth-to-mouth resuscitation. Seek immediate medical attention.

**Serious Ingestion:** Not available.

### Section 5: Fire and Explosion Data

**Flammability of the Product:** Non-flammable.

**Auto-Ignition Temperature:** Not applicable.

**Flash Points:** Not applicable.

**Flammable Limits:** Not applicable.

**Products of Combustion:** Not available.

**Fire Hazards in Presence of Various Substances:** Not applicable.

**Explosion Hazards in Presence of Various Substances:**

Risks of explosion of the product in presence of mechanical impact: Not available. Risks of explosion of the product in presence of static discharge: Not available.

**Fire Fighting Media and Instructions:** Not applicable.

**Special Remarks on Fire Hazards:** Not available.

**Special Remarks on Explosion Hazards:** Not available.

## **Section 6: Accidental Release Measures**

**Small Spill:** Absorb with an inert material and put the spilled material in an appropriate waste disposal.

### **Large Spill:**

Absorb with an inert material and put the spilled material in an appropriate waste disposal. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system.

## **Section 7: Handling and Storage**

**Precautions:** No specific safety phrase has been found applicable for this product.

### **Storage:**

No specific storage is required. Use shelves or cabinets sturdy enough to bear the weight of the chemicals. Be sure that it is not necessary to strain to reach materials, and that shelves are not overloaded.

## **Section 8: Exposure Controls/Personal Protection**

### **Engineering Controls:**

Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value.

**Personal Protection:** Safety glasses. Lab coat.

### **Personal Protection in Case of a Large Spill:**

Splash goggles. Full suit. Boots. Gloves. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

**Exposure Limits:** Not available.

## **Section 9: Physical and Chemical Properties**

**Physical state and appearance:** Liquid.

**Odor:** Lavender.

**Taste:** Not available.

**Molecular Weight:** Not available.

**Color:** Not available.

**pH (1% soln/water):** Not available.

**Boiling Point:** Not available.

**Melting Point:** Not available.

**Critical Temperature:** Not available.

**Specific Gravity:** Not available.

**Vapor Pressure:** Not available.

**Vapor Density:** Not available.

**Volatility:** Not available.

**Odor Threshold:** Not available.

**Water/Oil Dist. Coeff.:** Not available.

**Ionicity (in Water):** Not available.

**Dispersion Properties:** Not available.

**Solubility:** Not available.

## **Section 10: Stability and Reactivity Data**

**Stability:** The product is stable.

**Instability Temperature:** Not available.

**Conditions of Instability:** Not available.

**Incompatibility with various substances:** Not available.

**Corrosivity:** Non-corrosive in presence of glass.

**Special Remarks on Reactivity:** Not available.

**Special Remarks on Corrosivity:** Not available.

**Polymerization:** No.

## **Section 11: Toxicological Information**

**Routes of Entry:** Not available.

**Toxicity to Animals:**

LD50: Not available. LC50: Not available.

**Chronic Effects on Humans:** Not available.

**Other Toxic Effects on Humans:** No specific information is available in our database regarding the other toxic effects of this material for humans.

**Special Remarks on Toxicity to Animals:** Not available.

**Special Remarks on Chronic Effects on Humans:** Not available.

**Special Remarks on other Toxic Effects on Humans:** Not available.

## **Section 12: Ecological Information**

**Ecotoxicity:** Not available.

**BOD5 and COD:** Not available.

**Products of Biodegradation:**

Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

**Toxicity of the Products of Biodegradation:** The products of degradation are as toxic as the original product.

**Special Remarks on the Products of Biodegradation:** Not available.

## **Section 13: Disposal Considerations**

**Waste Disposal:**

## **Section 14: Transport Information**

**DOT Classification:** Not a DOT controlled material (United States).

**ICAO/IATA:** Not Applicable

**Identification:** Not applicable.

**Special Provisions for Transport:** Not applicable.

## **Section 15: Other Regulatory Information**

**Federal and State Regulations:** No products were found.

**Other Regulations:** Not available..

**Other Classifications:**

**WHMIS (Canada):** Not controlled under WHMIS (Canada).

**DSCL (EEC):**

This product is not classified according to the EU regulations.

**HMIS (U.S.A.):**

**Health Hazard:** 0

**Fire Hazard:** 0

**Reactivity:** 0

**Personal Protection:** a

**National Fire Protection Association (U.S.A.):**

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**Health:** 0

**Flammability:** 0

**Reactivity:** 0

**Specific hazard:**

**Protective Equipment:**

Not applicable. Lab coat. Not applicable. Safety glasses.



## **Section 16: Other Information**

**References:** Not available.

**Other Special Considerations:** Not available.

**Created:** 10/09/2005 06:22 PM

**Last Updated:** 11/01/2010 12:00 PM

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## BULGARIAN LAVENDER WATER

### Technical specification according to the Bulgarian State Standard

Obtained from the fresh flowers of *Lavandula angustifolia* through steam distillation. For producing 1 ton of rose water, 1 500 kg rose flowers are used .

#### **DESCRIPTION:**

**Appearance:** Transparent liquid

**Color:** Colorless

**Odor:** Typical of Lavender

#### **PHYSICAL AND CHEMICAL PROPERTIES**

<b>Content of essential oil, %</b>	min 0,035
<b>Content of Ethyl alcohol, %</b>	max 2,0
<b>pH (direct)</b>	5,0 – 7,0