

In-line Mineral Cartridges

1) Cartridge specification

Parameter	Value
Length	262 [mm]
Outer diameter	50 [mm]
Connection	1/4" QC
Maximum operating temperature	38 °C
Maximum operating pressure	6 Bar
Maximum flow	3,8 L/min
Lifetime	6 months*
Functions	<ul style="list-style-type: none"> – saturates water with beneficial minerals – increases pH of the water – improves taste and smell of the water
Certificates	Hygienic Certificate TÜV Rheinland Certified BPA free

* depends on water usage

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2) Mineral composition

Chemical compound	Chemical formula	Amount of [%] in media		
		Mineral 1	Mineral 2	Mineral 3
Calcium carbobate	CaCO3	68,9	-	95
Calcium oxide	CaO	1,4	1,25	
Magnesium oxide	MgO	25,4	84	
Magnesium carbonate	MgCO3	0,6	-	
Ferric oxide	Fe2CO3	0,6	2,4	0,3
Aluminium oxide	Al2O3		0,65	
Silica	SiO2	0,3	-	
Water	H2O	2,7	-	
Mineral		Half-baked dolomite	magnesite	dolomite

3) Results for RO water before the In-line Mineral Cartridge (where: wapń – calcium, magnez – magnesium, substancje rozpuszczone – TDS, fluorki – fluorides). Analysis was performed in ZWIK (Accredited Laboratory of Tap water supplier in Łódź).

SPRAWOZDANIE Z BADAŃ Nr ZWiK-TL-W/1053/2018

L.p.	Badany parametr	Metoda badawcza	typ	Oznakowanie próbki: kod nadany w laboratorium (kod nadany przez próbkobiorcę) →	Wynik badania	Dopuszczalne wartości parametru ¹
				Jednostka miary ↓	11/181/18 (1)	
1	Wapń	PN-ISO 6058: 1999	A	mg/l	poniżej gr. ozn. <4	-
2	Magnez	PN-C-04554-4:1999 zał. A	A	mg/l	poniżej gr. ozn. <1,2	30 - 125
3	Substancje rozpuszczone	PN-78/C-04541	N	mg/l	10	brak określenia
4	Fluorki	PN-EN ISO 10304-1:2009	A	mg/l	poniżej gr. ozn. <0,10	1,5

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4) Results for water mineralised with the In-line Mineral Cartridge (where: wapń – calcium, magnez – magnesium, substancje rozpuszczone – TDS, fluorki – fluorides). Analysis was performed in ZWIK (Accredited Laboratory of Tap water supplier in Łódź).

SPRAWOZDANIE Z BADAŃ
Nr ZWiK-TL-W/1054/2018

L.p.	Badany parametr	Metoda badawcza	Oznakowanie próbki: kod nadany w laboratorium (kod nadany przez próbkobiorcę) →	Wynik badania $\pm U^1$	Dopuszczalne wartości parametru ²
			typ	Jednostka miary↓	
1	Wapń	PN-ISO 6058: 1999	A	mg/l	15±0,6 ¹
2	Magnez	PN-C-04554-4:1999 zał. A	A	mg/l	11,9±2,1 ¹
3	Substancje rozpuszczone	PN-78/C-04541	N	mg/l	168
4	Fluorki	PN-EN ISO 10304-1:2009	A	mg/l	poniżej gr. ozn. <0,10

Signature:

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Research & Development Department

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R&D Department
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LODZ 1.10.2018

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