



# PRODUCT SPECIFICATION

SP-01-B1

Rev.01 by 04.01.2024

Written LAB

Verified SG-RPA: *Alvise J. Galassi*

Approved RESP.LAB *Giulio Grassano*

## HYDROCHLORIC ACID by SYNTHESIS sol. 32 %

product complies with UNI 939

FORMULA	HCl
MOLECULAR WEIGHT	36,46
C.A.S. NUMBER	7647-01-0
REGISTRATION REACH NUMBER	01-2119484862-27-0085

TYPE ANALYTICAL	CHEMICAL ANALYSIS	AS	MIN.	MAX.	UNIT
A	Assay	HCl	32		% w/w
C	Free chlorine	Cl <sub>2</sub>		5,0	ppm
C	Iron	Fe		0,8	ppm
C	Calcium	Ca		2,0	ppm
C	Magnesium	Mg		1,0	ppm
C	Heavy metals	Pb Cr Ni Cd Cu Sb As etc.		1,0	ppm
C	Density at 20 °C			1,162	Kg/l

**A = Analysis certificate emission**

**C = Conformity declaration**

Altair Chemical S.r.l. guarantees that the product meets the technical specification as per the revision in force at the production date.

Altair Chemical S.r.l. doesn't afford any implicit or explicit guarantee concerning the application of the product alone, or in combination with other products.

Altair Chemical S.r.l. doesn't bear any responsibility coming from the use of the product.

Altair Chemical S.r.l. advises in any case the use of the product in agreement with the information given in the MSDS.

For any non-conformity claim with reference to specification, after the written acceptance of the claim by Altair Chemical S.r.l. the guarantee covers only:

- the replacement of the claimed quantity of product without any penalty;
- or, if agreed on, the collection of the claimed material with refunding of the sole invoice value corresponding to that quantity.



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Verified SG-RPA: *Chiara Ghelardini*

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## ADDITIONAL REQUIREMENTS

1. UNI EN ISO 9001:2015
2. FSSC 22000 v.5.1 cat.K - GFSI recognised
3. GMP+ cat.B2
4. Kosher
5. Halal
6. Ecovadis
7. UNI EN ISO 14001:2015
8. EMAS Regolamento (CE) n. 1221:2009,
9. UNI CEI EN ISO 50001:2018
10. UNI ISO 45001:2018
11. SGS-PIR D.lgs.105/2015

➔ see our website to download the updated certificate

**Chiara Ghelardini**  
Management System Manager  
HACCP Manager

**Laboratory Manager**  
**REACH Manager**  
**Giulia Giannoni**

*Chiara Ghelardini* *Giulia Giannoni*

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