



**In your laboratory,
rely on Scharlab**



Introduction

About us

Scharlab is a company dedicated to design, manufacture and distribute products and services supporting scientists to achieve a better world.

Headquartered in **Barcelona (Spain)**, Scharlab has experienced outstanding growth over the last few decades. This has led to us having **direct presence in 7 countries** and enabled us to develop a worldwide presence through a distribution network covering over 100 countries.

The company was **established in 1949** in Barcelona under the name of FEROSA as an organic compound synthesising company. In 1954, this company was bought by Paul Scharlau, a second-generation German in Spain.

In 1980, Paul Scharlau passed away and his son, Werner, took his place. The company then focused on providing **high purity solvents** in general and HPLC solvents in particular.

Scharlab does not belong to a private equity fund, which allows us to focus on long-term goals that **ensure stability for both our customers and our team**. We also have a warehouse with local stock in China.

We have been present in China since 2003, with an extensive network of distributors covering the entire country.



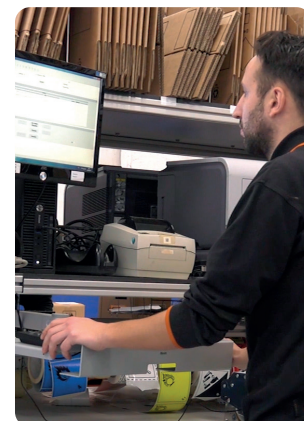
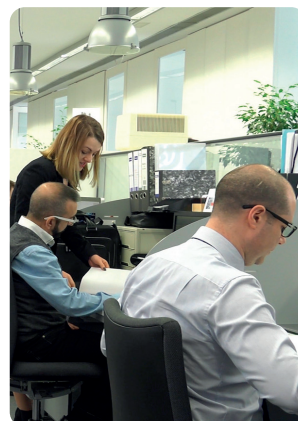
Zhejiang Evergreen
Chemical Co., Ltd



SharpLab (Shanghai)
Chemical Technology Co., Ltd.



Suzhou Fuyihao Hardware And Electronical
Equipment Company Limited



Introduction

Quality and the environment

Scharlab is committed to complying with or exceeding our clients' needs through the implementation of a total management system, which includes **exceptional quality service and products, conservation of the environment and guaranteeing its employees' health and safety.**

Since 1995, Scharlab has implemented a quality system following **ISO 9001** requirements. The company has continually extended the system to include environmental requirements according to **ISO 14001**. Scharlab also complies with the requirements under **Spanish law 31/1995** regarding risk prevention. The latest step has been ISO 13485 with respect to health products, whose requirements are already in place and are only waiting certification.

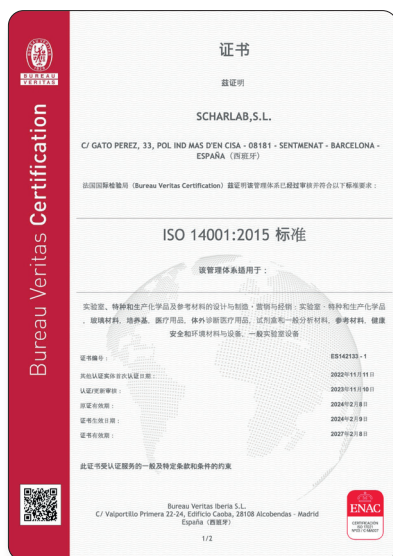
Scharlab has a total management manual which includes all the disciplines where the procedures are recorded, and information documented for continuous improvement.

Located in a rural area surrounded by forest, **environmental conservation is one of the company's main concerns.** Scharlab works towards guaranteeing that natural resources and raw materials are used efficiently. Our facilities have been designed to reduce the company's environmental impact.

Scharlab works towards supplying **cleaner, safer products** and takes the conservation of the environment into account when working on future projects. Scharlab is continually seeking cleaner, safer ways for packaging and mainly uses (when safety allows) external cardboard packaging with recycled paper filling to ease the elimination and reuse of waste. Additionally, Scharlab provides a returnable packaging service for HPLC solvents and more common grades.

Scharlab is inscribed in the Spanish **Registry of carbon footprint, offsetting and CO₂ removal (RD 163/2014)**. This means that Scharlab measures its carbon footprint and is committed to reducing its environmental impact.

The company has a License for Prior Sanitary Operation of Sanitary Product Facilities awarded by the Spanish Agency for Medications and Sanitary Products (License No: 6997-PS) for import and export manufacturing activities. Its register in the European database, Eudamed, has been completed successfully.



Introduction

www.scharlabchina.com

Using our **website** when searching for products, you will not only save time, but also find the best product information.

Our **search engine is optimised** to enable you to find all our products easier and more intuitively.

Search by description, by Scharlab's reference, by CAS or by cross-referencing, in the same field.

You can browse through the new edition of our Chemicals and Reagents Catalogue available on our website.

On each **product page**, you will find all its related information and are given the option of downloading the technical documentation (TDS, SDS and CoA).

Consult, review and download our publications: product brochures, catalogues, offers, etc. Access our promotions and video tutorials.



visit our website

Scharlab **AC0155** **Ficha de Datos Técnicos**

Etapa avanzada, Multicomponente, para HPLC ACS ISO 10115

Chemical structure: CC1=CC=CC=C1C(=O)O

Identificación:
 Nombre: AC0155
 Número de lote: 10115-01
 Fecha de fabricación: 10/10/14

Descripción:
 Etapa avanzada, Multicomponente, para HPLC ACS ISO 10115

Características:

Característica	Valor	Unidad
Acidez (pH)	3.5	
Concentración	1000	mg/L
Viscosidad	1.2	cP
Densidad	1.02	g/cm³
Índice de refracción	1.33	
Temperatura de ebullición	100	°C
Temperatura de congelación	-10	°C
Estabilidad	12 meses	

Precauciones:
 Evitar el contacto con la piel y los ojos.
 Evitar la inhalación de las nebulizaciones.
 Evitar el contacto con la ropa.

Etiquetado:
 P201+202 Atención (leer las etiquetas)
 P273 Evitar la liberación en el medio ambiente
 P501 Descontaminar el envase y destruirlo o reutilizarlo de acuerdo a las instrucciones

Palabras clave:
 Etapa avanzada, Multicomponente, para HPLC ACS ISO 10115

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 Etapa avanzada, Multicomponente, para HPLC ACS ISO 10115

TDS

Scharlab **AC0155** **Ficha de datos de seguridad**

Etapa avanzada, Multicomponente, para HPLC ACS ISO 10115

Sección 1: Identificación de la sustancia y de la empresa

Nombre de la sustancia: AC0155
 Número de lote: 10115-01
 Fecha de fabricación: 10/10/14

Sección 2: Descripción de la sustancia y de la empresa

Descripción: Etapa avanzada, Multicomponente, para HPLC ACS ISO 10115

Sección 3: Peligros

Peligros: H302, H312, H332, H410

Sección 4: Medidas de protección

Medidas de protección: P201+202, P273, P501

Sección 5: Medidas de primeros auxilios

Medidas de primeros auxilios: En caso de contacto con la piel, lavar con agua abundante durante al menos 15 minutos. En caso de contacto con los ojos, lavar con agua abundante durante al menos 15 minutos. En caso de ingestión, beber agua abundante. En caso de inhalación, trasladar a un lugar fresco y respirar aire fresco.

Sección 6: Medidas de eliminación

Medidas de eliminación: Eliminar de acuerdo a las instrucciones de eliminación de residuos.

SDS

Scharlab S.L. **CERTIFICATE OF ANALYSIS**

Etapa avanzada, Multicomponente HPLC para ACS ISO 10115

ANÁLISIS

Parámetro	Valor	Unidad
Acidez (pH)	3.5	
Concentración	1000	mg/L
Viscosidad	1.2	cP
Densidad	1.02	g/cm³
Índice de refracción	1.33	
Temperatura de ebullición	100	°C
Temperatura de congelación	-10	°C
Estabilidad	12 meses	

CONCLUSIÓN:
 El producto cumple con las especificaciones de la norma ISO 10115.

CoA

Custom-made products

The challenges facing professionals in laboratories and industry research centres vary. To address these needs, in addition to our comprehensive catalogue, we offer a wide range of solutions that are developed by our R&D department and certified by our laboratory. The versatility of our manufacturing facility allows us to work with all kinds of chemicals and packaging formats, from 1 ml to 1000 l.



Chemicals and Reagents

Grade Selection Guide

In response to the various applications and requirements that laboratory chemicals need to fulfil, we offer our customers a wide variety of grades for both, general and specific solvents and reagents.

To help you in choosing of the most appropriate product for your application, we have created a table of grades covering Scharlau solvents and reagents.

Scharlau Solvents: General Grades

EssentQ®	
ExpertQ®	ACS, Reag. Ph Eur, ISO
Pharmpur® : Pharmacopoeia Monography Products	Ph Eur, USP, BP, NF

Scharlau Reagents:

EssentQ®	
ExpertQ®	ACS, Reag. Ph Eur, ISO
Pharmpur® : Pharmacopoeia Monography Products	Ph Eur, USP, BP, NF

Specific Grades

HPLC	Supragradient Gradient Isocratic/ MultiSolvent® ACS
UHPLC-MS	
LC-MS	
GC	GC Headspace Analysis GC-MS GC Ultra-Trace Analysis GC Residue Analysis
Dry	
Anhydrous	With molecular sieves Without molecular sieves
Spectrosol® Deuterated (NMR)	
Organic Synthesis	Peptides synthesis Oligonucleotide synthesis
Molecular Biology	
Histology	
VLSI	
ASTM	

Ultratrace® Ultrapure Acids	ppt grade ppb grade
Volumetric Solutions	Ready to use NIST Concentrated
Acids with low Mercury Content	ACS, ISO
Standards	ICP NIST AAS NIST GC pH Buffer Solutions NIST Ion Chromatography NIST Conductivity NIST Titrasure® Secondary Standards ACS, NIST
Molecular Biology	
HPLC	
LC-MS	
Aquagent® Karl Fischer Water Titration	
Deterlabo® Laboratory glassware, utensils and surface cleaning	
Chemispill® Laboratory absorbents	
Histology	

EssentQ®, ExpertQ®, Pharmpur®, Multisolvent®, Ultratrace®, Spectrosol®, Chemispill®, Deterlabo®, Titrasure® and Aquagent® are registered trademarks.

Chemicals and Reagents



EssentQ®

Grade of chemicals for laboratory use and for routine research.

Includes solvents and reagents used in organic synthesis.



ExpertQ®

Most frequently used grade for laboratory analytical work.

High-quality chemicals for laboratory and specialised industrial use.

Includes solvents, inorganic salts, acids and bases, solutions and mixtures.

Analytical methods used for these determinations are based on standard test procedures as described in technical publications (ACS, ISO, etc.).



Pharmpur®

Chemicals that comply with Pharmacopoeial Monographies (Ph Eur, USP or other pharmacopeia).



MultiSolvent®

A single product suitable for many applications.

Isocratic HPLC, UV-VIS spectrophotometry, Karl Fisher titration, Chromatography.

ACS grade analytical reagent.



Chromatography

HPLC solvents:

Low UV absorption.

Low water and contaminants content.

Microfiltered through 0.22 µm.

Lot-to-lot consistency.

Isocratic, Gradient, Supragradient and Ultragradient qualities.



LC-MS and UHPLC-MS solvents:

Low alkaline metals content and 0.1 µm microfiltered.

Ion Pair Reagents:

Permit the separation of ionic samples and increase the resolution of the final chromatogram.

GC solvents:

Solvents for pesticide analysis by GC-ECD.

Solvents for environmental organic residues analysis by GC-FID & GC-ECD.

Solvents for GC-Headspace.

Solvents for GC-MS analysis. Low alkaline metals content. Large working area.

Standards substances for GC:

High purity.

Bottled in an inert atmosphere.

Aquagent® Karl Fischer Titration

Solutions for volumetric titration, coulometric titration and standards

- New formulations.
- Improved manufacturing processes.
- Sturdier, more stable and versatile products.
- Better reaction speeds.
- Exceptional quality.



Chemicals and Reagents

Anhydrous solvents

High-purity solvents with extremely low water content (ppm).
Water content ranges typically from 10 to 30 ppm.
Guaranteed quality by means of strict Karl Fischer controls.

Anhydrous over molecular sieves:

Kept anhydrous through molecular sieves being added to each bottle. The sieves trap the water traces that enter with air when opening and closing the bottle during use.



Anhydrous without molecular sieves:

Packaged in an inert atmosphere to avoid moisture contamination. Cap with septum enabling the extraction of the anhydrous product by means of a syringe. Bottle packed with a vacuum transparent bag.



ICP standards

Used as external standards for the calibration of ICP equipment.

Manufactured from metals with a minimum purity of 99.99%, dissolved in ultrapure acids.

NIST traceable.

Certificate of Analysis always supplied with the product.

Concentration 1000 and 10000 ppm.

Wide range of single element standards and multi-element mixtures.

Tailor-made standards on request.



Ultratrace® Ultrapure acids

Outstanding low metal content, purest acids available.

Analytical results for more than 60 metals, determined using ICP-MS ppb and ppt grades.

In HDPE and PTFE bottles, safer and avoiding metal transfers.



Reagents and solvents for oligonucleotide synthesis

Reagents and solvents for oligonucleotide synthesis, including mixtures and compounds necessary for this application.

- High-quality reagents and solvents.
- Low water content.
- Improved yields.
- Tailored formulations.



Acids and bases

ExpertQ® (for analytical work) and EssentQ® (for routine work).

Different packaging to meet your needs: from small sizes to 200 liter bulks.

Acids: anti-dripping ring on glass bottles, maximising safety.

Strong acids available in glass safety bottles, with polyethylene outer layer to prevent breakages in the event of falling.



AAS standards

Used as external standards to calibrate AAS equipments.

Manufactured using high purity elements and acids to guarantee optimum performance.

NIST traceable.

Certificate of Analysis always supplied with the product.



Reagent grade acids for FAAS and CVAAS

Up to 34 elements analysed.

Compliant with ACS and ISO regulations.

Special products with low mercury content (max. 5 ppb Hg).

Dry solvents

Solvents with a low water content used in both organic and inorganic synthesis.

A typical application is for Karl Fischer titrations.

Volumetric solutions

Accurate, reliable, for guaranteed results.

Guaranteed factor of 1.000.

Potentiometric titration allows to achieve 1/1000 precision in the factor.

All solutions are analysed using an ISO 17034 accredited certified reference material, measured according to ISO/IEC 17025 and NIST traceable.

Complete Certificate of Analysis.

2-3 years shelf-life, depending on the product and its concentration.

Tailor-made solutions.

Concentrated volumetric solutions.

Available in bottles and kubitainer.



Volumetric solutions according to Pharmacopoeia

Volumetric Solutions that comply with Pharmacopoeia (Reag. Ph Eur or Reag. USP).

Guaranteed factor of 0.999-1.001.

All solutions are analysed using an ISO 17034 accredited certified reference material, measured according to ISO/IEC 17025 and NIST traceable.

Complete Certificate of Analysis.

3 years shelf-life, depending on the product and its concentration.



Standard buffer solutions

NIST traceable.

Uncertainty ± 0.01 pH units.

2-3 years shelf-life.

pH-Temperature dependence tables given in our certificates and printed on labels.

Broad product range (from pH 1 to 13) and packaging options (250 ml - 1 l).

Coloured solutions for pH 4, 7 and 10.



Conductivity standard solutions

NIST traceable.

Uncertainty < 1%.

Conductivity-Temperature dependence tables included in our certificates and labels.



Titrasure® Secondary Reference Standards for Titration

High purity.

Accurately determined content.

Certificate of Analysis delivered with each unit.

NIST traceable.



Chemicals and Reagents

Other qualities

Organic Synthesis:

This grade includes Peptide synthesis solvents (used for the efficient solvation of the peptide resin in solid phase peptide synthesis) and DNA synthesis (anhydrous acetonitrile, in absence of moisture, improves the synthesis yield).

Spectrosol® Deuterated Solvents:

Deuterated solvents used in Nuclear Magnetic Resonance spectroscopy (NMR). Scharlab offers deuterated solvents of different isotopic purities.

Histology:

Reagents and solvents specifically designed for medical laboratory use and diagnostics.

VLSI:

Solvents used in the semiconductor and in electronic industry production, mainly in the cleaning of integrated circuits. The absence of water, metals and particles is guaranteed.

ASTM:

Reagents, solutions and mixtures used in the analysis of lubricants and petroleum derivatives, which are manufactured by us according to ASTM published methods.



Deterlabo® laboratory detergents

Range of cleaning materials for surface and laboratory equipment hygiene.

Different formulations and presentations are available, depending on the type of residue to be removed and the type of cleaning required (manual or machine washing).



Chemispill® Absorbents for laboratory spillages

For acid, basic, aqueous and organic spills.

High absorption power.

High neutralisation capacity.

Does not leave residual marks.

Easy collection, without generating dusty waste.

Chemispill® safety Kit available in a transportable case.



Kit against spillages Chemispill®

Complete safety Kit against laboratory spillages

The Kit contains:

- Chemispill® Sorb
- Chemispill® H+
- Chemispill® OH-
- Scharlau nitrile gloves
- Safety glasses
- Residue plastic bags
- Scratching spatula
- Brush and dustpan
- How-to-use instructions

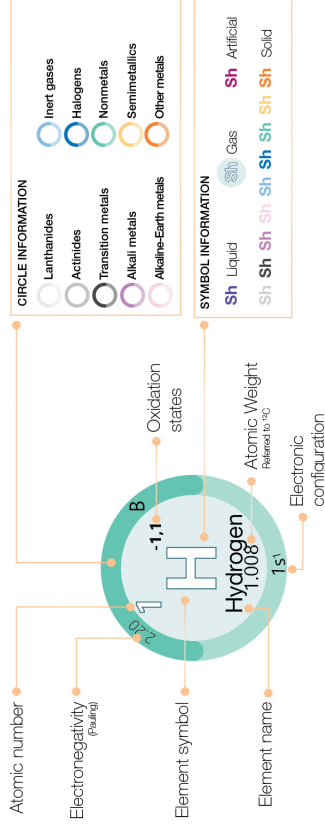
In addition to the Kit, we offer our Chemispill® safety shelf, to have our full range of absorbents hanging on the wall of your laboratory.



PERIODIC TABLE OF THE ELEMENTS



The wise choice



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唐凯 /David Tang

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请访问我们的中国网站。

