Panreac

HIPERPUR
HIPERPUR-PLUS

Ultra pure reagents for metallic traces analysis

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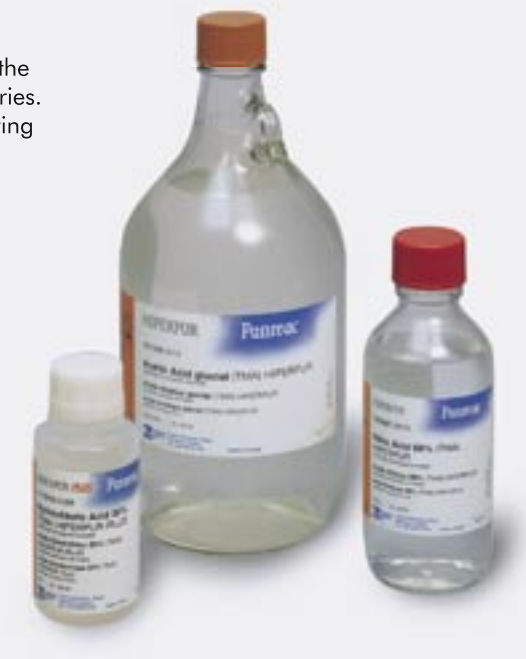
Panreac presents its new ranges of ultra pure reagents **HIPERPUR** and **HIPERPUR-PLUS** in order to satisfy the increasing demand of reagents for the traces analysis in the environmental, quality control and research laboratories. Two purity levels are provided to target a wide range of applications involving trace metal analysis by AAS, polarography, AAS-GF, ICP-OES and ICP-MS.



HIPERPUR

Within the range HIPERPUR (TMA), acetic, nitric, hydrochloric, sulphuric and perchloric acids are available in 500 ml and 2.5 l PVC coated glass bottles which have previously undergone a special washing process.

Hydrofluoric acid is available in a 500 ml low density polyethylene (LDPE), while the ammonia solution is available in a 500 ml high density polyethylene (HDPE) bottle.

HIPERPUR-PLUS

HIPERPUR-PLUS (TMA) reagents are specially purified by multiple distillation until products have the lowest impurity levels, obtaining products that can be used as a baseline for the analysis of trace metals.

In order to be able to reduce to the maximum the impurity levels, the process of manufacturing of HIPERPUR-PLUS (TMA) has been optimised to the maximum.

The greatest challenge has always been to minimize the impurities of some elements like Fe, Zn, Ni and Cu with a special analytical importance and limit the presence of elements such Ca, Na and Al which are ubiquitous in the environment as well as in the container materials.

Thanks to this special care in the manufacturing, the HIPERPUR-PLUS (TMA) range is able to offer reagents with concentrations below 100 parts by trillion (ppt) with the previous elements and most less than 10 ppt.

HIPERPUR-PLUS (TMA) represents the range of reagents with the lowest metal content intended to the metal traces analysis.

Benefits:

- HIPERPUR-PLUS reagents includes the analysis of more than 60 metals at parts par trillion levels providing the best level of purity available in the market.
- Manufactured by sub-boiling distillation.
- The concentration level for the majority of metals is below 10 ppt, being all below 100 ppt.
- Homogeneity batch to batch for reproducibility results.
- Individual certificate of analysis.
- Manufactured and packaged in a clean room, class 10, free of contaminants to guarantee highest levels of purity.
- Stored in specially selected Teflon bottles. The material is controlled prior to the bottle manufacture.
- Every bottle is leached with hot acid during two weeks in order to eliminate any contamination material due to metallic traces..

Reactivos ultrapuros para análisis de trazas metálicas
Ordering Information

HIPERPUR-PLUS (TMA) are available in the following sizes in both Teflon PFA and FEP: 250 ml and 500 ml.

Water and ammonia solution are available in specially washed HDPE bottles.

HIPERPUR-PLUS

Description	Code	Package		
		250 ml	500 ml	1000 ml
Acetic Glacial Acid (TMA) HIPERPUR-PLUS	711008	(F)		
Ammonia 20% (in NH_3) (TMA) HIPERPUR-PLUS	711128	(P)		
Hydrochloric Acid 35% (TMA) HIPERPUR-PLUS	711019	(F)	(F)	
Hydrofluoric Acid 48% (TMA) HIPERPUR-PLUS	711028	(F)	(F)	
Nitric Acid 69% (TMA) HIPERPUR-PLUS	711037	(F)	(F)	
Perchloric Acid 70% (TMA) HIPERPUR-PLUS	712175	(F)	(F)	
Sulphuric Acid 93-98% (TMA) HIPERPUR-PLUS	711058	(F)	(F)	
Water(TMA) HIPERPUR-PLUS	711074		(P)	(P)

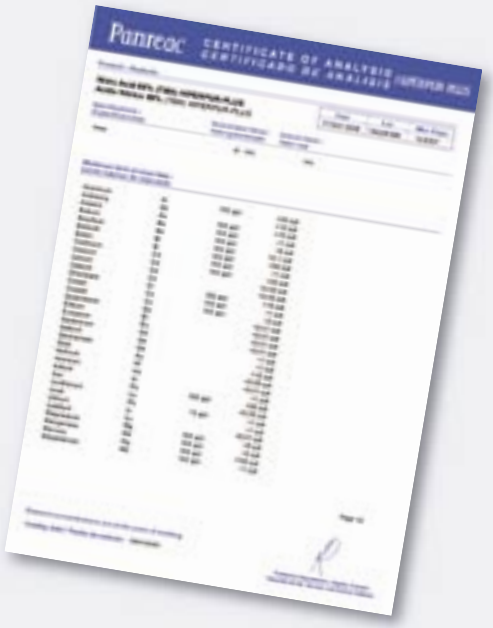
HIPERPUR

Description	Code	Package		
		500 ml	1000 ml	2,5 l
Acetonitrile (HPLC-hypergradient) HIPERPUR	721881.1611			
Acetic Glacial Acid (TMA) HIPERPUR	721008.0010			
Ammonia 20% (en NH^3) (TMA) HIPERPUR	721128.0010	(P)		
Hydrochloric Acid 35% (TMA) HIPERPUR	721019.0010			
Hydrofluoric Acid 48% (TMA) HIPERPUR	721028.0010	(P)		
Methanol (HPLC-hypergradient) HIPERPUR	721091.1611			
Nitric Acid 69% (TMA) HIPERPUR	721037.0010			
Perchloric Acid 70% (TMA) HIPERPUR	722175.0010			
Sulphuric Acid 94-98% (TMA) HIPERPUR	721058.0010			

Package symbols:

- Glass bottle
- (P) Polyethylene bottle
- Glass bottle coated with PVC
- (F) Fluorinated polymer bottle with outer polystyrene box

All range of HIPERPUR and HIPERPUR-PLUS products are provided with its corresponding certificate of analysis in the packaging.



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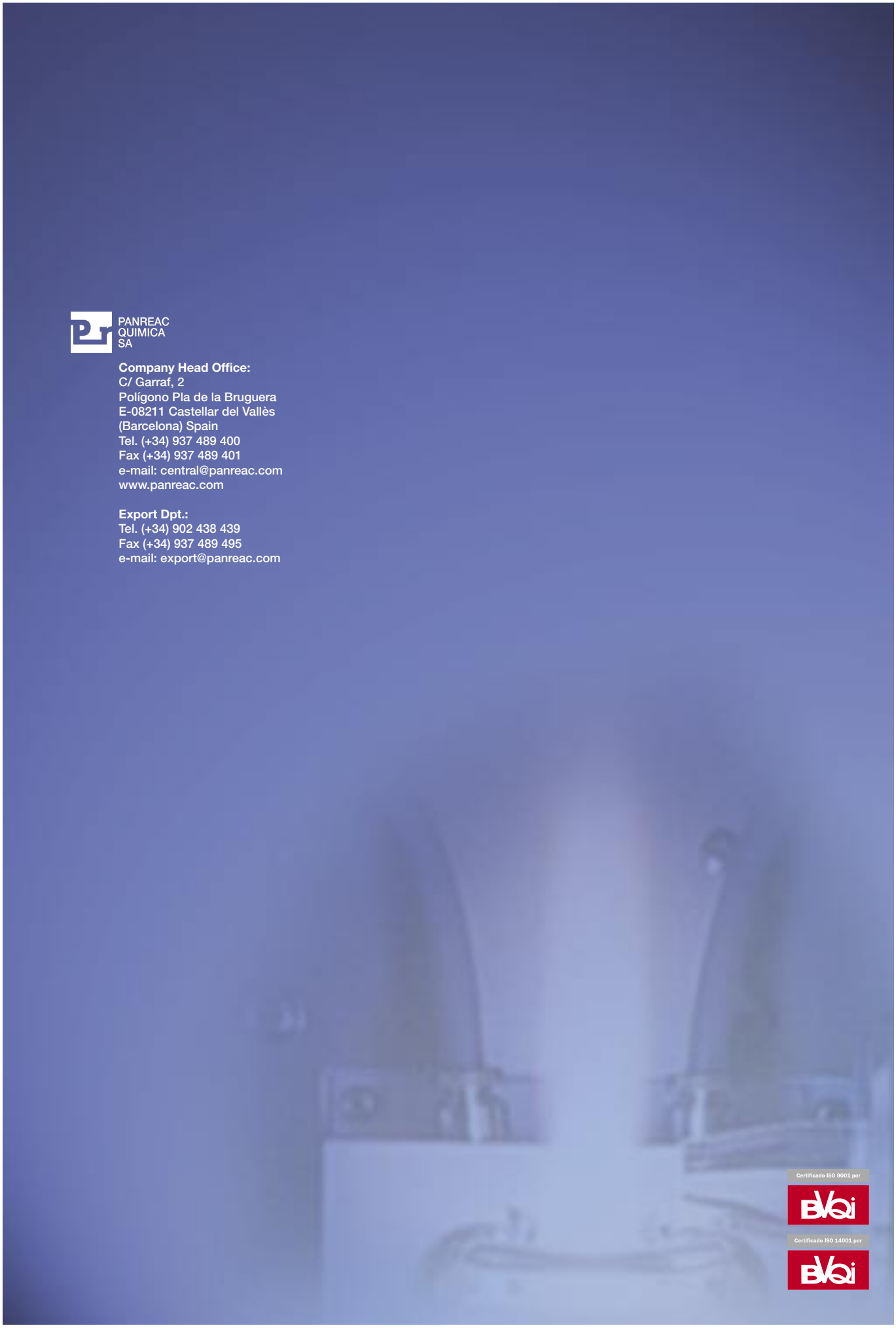

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