

## **PRODUCT SPECIFICATION**

EP 020

**REV 04** 

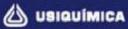
IDENTIFICATION			
Chemical name	Nitric Acid 53% (36°Be)		
Formula	HNO <sub>3</sub>		
CAS Number	7697-37-2		

PHYSICAL - CHEMICAL CHARACTERISTICS					
Appearance	Liquid, clear and slightly yellowish.				
Characteristic	Unit	Minimum	Maximum	Method	
Concentration	%	53.0	-	IT.CQ-0007	
Density (20°C)	g/mL	1.325	-	IT.CQ-0007	

## MAIN APPLICATIONS

Metallurgy, stripping, surface treatment, laboratory reagents, rubber, explosives, organic syntheses, photoengraving, electroplating, among others.

OTHER INFORMATION			
UN No.	2031		
Risk No.	80		
Packaging	In bulk (stainless steel tanks), drums or polyethylene IBC's.		
Cautious	Toxic and corrosive product. Avoid contact with any part of the body. Inhalation or ingestion can cause severe burns or death. Reaction with water or moisture in the air releases toxic, corrosive and flammable gases. Contact with certain metals can release flammable hydrogen gas. PPE's to be used: Long sleeves, PVC boots and clothing, panoramic mask combined with compatible gas filter for acidic gases.		
Storage	Keep stored in a covered and ventilated place away from the sun. Respect chemical incompatibility as provided in MSDS.		
Validity	12 months, depending on ideal storage conditions.		
Legal requirements	Product controlled by the Ministry of the Army and Federal Police - FP.		



Technical Specifications	Code	Description
	105.01.0	Nitric Acid 53% (36Be)
	105.15.0	Nitric Acid 53% (36Bé) - BB50IN
	105.19.0	Nitric Acid 53% (36Bé) - BBC
	105.49.0	Nitric Acid 53% (36Bé) - IBCCL
	105.48.0	Nitric Acid 53% (36Bé) - IBCEV
	105.42.0	Nitric Acid 53% (36Bé) - IBCIN
	105.22.0	Nitric Acid 53% (36Bé) - TP200IU

HISTORY OF CHANGES					
Date	Revision	Comments of Changes			
2013-08-05	03	Updating the document layout, the technical instruction for analysis, the type of packaging for transport, care regarding storage and legal requirements related to the product.			
-	04	Revision of the form due to approval via the Qualiex system.			

