




2023

# Nano Oxide Noghreh Co.

## Products Catalog


# WHO WE ARE?

We are one of the leader firms in the manufacturing and trading of high quality zinc alloys (Zamak), zinc oxide and ammonium chloride (NH<sub>4</sub>Cl) in Middle-East. We have two separated and specialized manufacturing facilities with more than 18 years of foundry experience in zinc alloys and chemical manufacturing of ammonium chloride.



# WHAT WE DO?

During the production years, we attempted a lot to reach the highest quality of products targeting the international markets in Europe, Middle-East and North Africa. The development of advanced melting furnaces and the use of automatic feed machines to improve the productivity for producing of zamak ingots. Using a spectrometer in accordance with international standards helped us providing the accurate data analysis of zamak ingots to obtain the superior and certified international level of production. Today, we supply 800 tons of zamak ingots per month in the first phase of development. Also, the production capacity for ammonium chloride is 300 tons monthly.



# OUR PRODUCTS

The company is the producer of high quality zinc alloys (Zamak ingots), zinc oxide (ZnO) and ammonium chloride (NH<sub>4</sub>Cl) as follows:



## Zamak Ingots

Zamak is a family of alloys with a base metal of zinc and alloying elements of aluminium, magnesium, and copper. Our products includes Zamak 2, Zamak 3 and Zamak 5.



## Zinc Oxide

ZnO is white powder which is used as an additive in numerous materials and products including cosmetics, food supplements, rubbers, plastics, ceramics, glass, cement.




## Ammonium Chloride


Ammonium Chloride is an inorganic compound with the formula NH<sub>4</sub>Cl and a white crystalline salt that is highly soluble in water.

# OUR PRODUCTS ANALYSIS

## Zamak 3


www.zamakco.com		Technical Datasheet								
Report No: ZK321H11D		ZAMAK 3 ZL3 / ZL0400 / ZnAl4				Standard: EN1774				
Chemical Composition	Al	Cu	Mg	Pb	Fe	Cd	Sn	Si	Ni	
	3.8 - 4.2	≤ 0.03	0.035 - 0.06	≤ 0.003	≤ 0.02	≤ 0.003	≤ 0.001	≤ 0.02	≤ 0.001	
<b>Physical Data</b>										
Density (g/cm <sup>3</sup> at 20°C)		6.6								
Solidification range (°C)		381-387								
Shape (weight)		Ingots (12Kg)								
Ingot Size (L x W x H) (cm)		51 x 12 x 3.5								
Ingots per bundle		48								
Packing/Weight		Strapped bundles of about 576Kg								
Feet/Pallet		Zinc alloy feet								
Note: Any amendments are also available based upon commercial agreement.										

## Zamak 5


www.zamakco.com		Technical Datasheet								
Report No: ZK521G18N		ZAMAK 5 ZL5 / ZL0410 / ZnAl4Cu1				Standard: EN1774				
Chemical Composition	Al	Cu	Mg	Pb	Fe	Cd	Sn	Si	Ni	
	3.8 - 4.2	0.7 - 1.1	0.035 - 0.06	≤ 0.003	≤ 0.02	≤ 0.003	≤ 0.001	≤ 0.02	≤ 0.001	
<b>Physical Data</b>										
Density (g/cm <sup>3</sup> at 20°C)		6.6								
Solidification range (°C)		381-387								
Shape (weight)		Ingots (12Kg)								
Ingot Size (L x W x H) (cm)		51 x 12 x 3.5								
Ingots per bundle		48								
Packing/Weight		Strapped bundles of about 576Kg								
Feet/Pallet		Zinc alloy feet								
Note: Any amendments are also available based upon commercial agreement.										

# OUR PRODUCTS ANALYSIS

## Zinc Oxide

www.zamakco.com		Technical Datasheet			
Report No: ES412L85B		Zinc Oxide ZnO		Atomic Absorption Fusion (AAF)	
Elements and Properties				%	
Zinc Oxide				98.5	
Calcination loss				2	
Substances soluble in water				0.4 - 0.5	
Substances soluble in diluted acetic acid				100	
Loss at 105 degrees centigrade				0.2	
Lead				0.15 ± 0.1	
Copper				0.0031	
Iron				0.04	
Manganese				0	
Nickel				0.00001	
Cadmium				0.0006	
Chlorin				0.5	
Bulk density				543gr/lit	

## Ammonium Chloride

www.neshador.com		Technical Datasheet															
Report No: NR847G35N		Ammonium Chloride NH4Cl										AF-01-Lithium Fusion					
Elements	SiO2	Al2O3	BaO	CaO	Fe2O3	K2O	MgO	MnO	Na2O	P2O5	SO3	TiO2	Nh4	Cl	NH4Cl		
Unit	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%		
DL	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05		
Scheme	WR-01	WR-01	WR-01	WR-01	WR-01	WR-01	WR-01	WR-01	WR-01	WR-01	WR-01	WR-01	WR-01	WR-01	WR-01		
NR847G35N	<	<	<	0.05	<	<	<	<	0.17	<	0.05	<	33.63	66.10	99.73		

# Contact For any Query



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Our connection would truly be a symbol of mutual trust, quality and dynamism in metal and chemical industries.