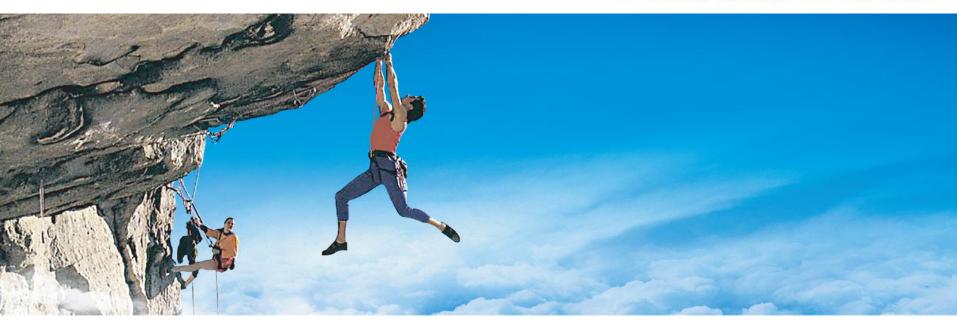


LANYA CHEMICAL EUROPE GMBH NANJING LANYA CHEMICAL CO., LTD.

A bout us



共创成功与未来 To create success and the future





Our company, Nanjing Lanya Chemical Co., Ltd., is established in 2007. As ISO9001:2008 certified company, our company is engaged in production, R&D and sales of organic silanes. In China, our quality is in the leading position in the same industry. Now company's own brand product: "YAC-SIL" series organic silanes are exporting to India, Russia, Germany, Japan, Taiwan and other countries or areas, product quality and customer service are good reputed.

ompany

introduction

Taking the advantage of the low raw material cost and high efficient management, we can bring customer the low price and high quality products, together with the comprehensive technical service, to support our customer to produce the products with high quality and competitive price.





The workshop





YAC-A112

N-Aminoethyl-3-Amino propyltrimethoxysilane



NANJING LANYA CHEMICAL CO., LTD.

T he products



Products

in Warehouse











The QC department





- Established in Aug.31, 2007
- ISO9001:2015 Certified Company
- Engaged in production, R&D and sales of organic silane coupling agent. In China, our quality of the organic silane coupling agent is in the leading position in the same industry.
- Now company's own brand product:"YA-SIL" series organic silanes are exporting to Spain, Germany, Japan, Taiwan, Korea and other countries or areas.
- In 2016, establish Indian branch office and warehouse. In 2019, establish Europe branch office and warehouse.



Production Base



- The production base is located in Xiantao City, Hubei Province, certified by ISO9001 and ISO14001.
- The factory covers an area of 100 acres, and workshop over 12,000 square meters. All our workshop are equipped with advanced production technique and complete manufacturing equipments.
- Mainly specialized in the production of new materials in the field of organosilicon crosslinking agent, coupling agent and catalyst of the hightech enterprises.
- There are silane continuous production lines with an annual output of over 7,000Mt.







PRODUCTION TEAM

Lanya Chemical does not only have advanced technology group and experienced production management, but also can guarantee the products are released after strict quality control before arriving at the customer. Now Lanya Chemical has skilled production staff and experienced on-site management, to ensure the products supplied to our customer are on the top grade.



R&D TEAM

In order to guarantee the stability of the product quality and continuous developing new products conforming to the organic silane industry trend, Lanya Chemical also has a strong R&D team. R&D team continuously follow up the production process and product quality, continuously give their suggestions on the improvement, continuously collect the organic silane market information and engaged in developing new products, in order to create more value for the customer.



APPLICATION TEAM

Lanya Chemical's application team communicate with our customers deeply, understand the currently exist problem or demand of the customer, so that they can give perfect technology solutions. Cooperate with the sales team to investigate the customer's requirement, optimize the technology process of the usage, and expand the application field of the product, in order to create more added values for the customer.





Aim a Win-Win Cooperation

Supply

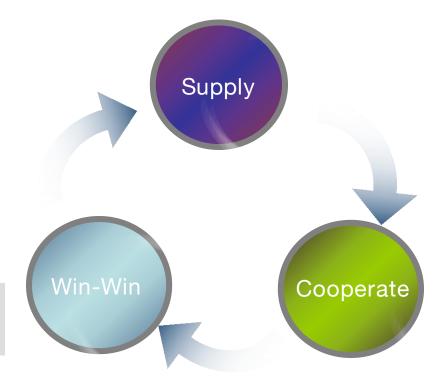
Supply Silane

Cooperate

Help customer to solve the production problem and lower down the cost

Win-Win

Give more professional suggestion, establish a win-win relationship

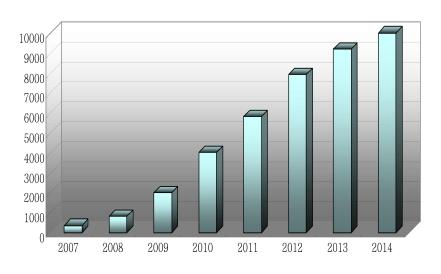






Company Growth

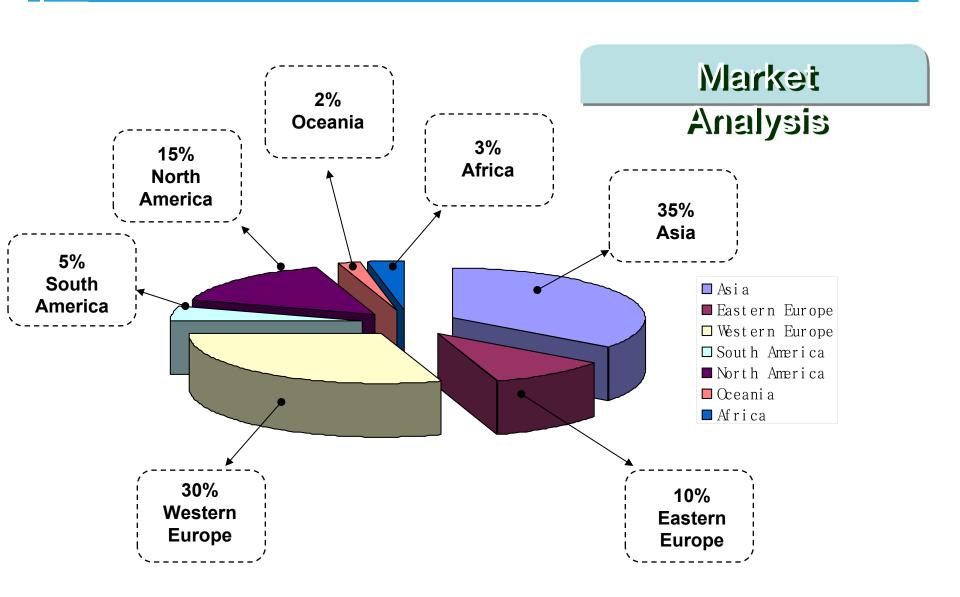
Since the establishment, company grows very fast, sales volume enlarged from the first USD300,000.00 annually to current more than USD10,000,000.00 annually.



■ EXPORT SALES AMOUNT







Product Introduction





Product Catalog

Pharmaceutical YAC-BSA	Silane Series N,O-BIS(TRIMETHYLSILYL)ACETAMIDE	T.						
YAC-BSA	N,O-BIS(TRIMETHYLSILYL)ACETAMIDE		100	100		W:	40	
		98%	10416-59-8					
YAC-BSTFA	BIS(TRIMETHYLSILYL)TRIFLUOROACETAMIDE	98%	25561-30-2	3				
YAC-TES	TRIETHYLSILANE	99%	617-86-7	1				
YAC-TECS	TRIETHYLCHLOROSILANE	99%	994-30-9					
YAC-TBDMSC	TERT-BUTYLDIMETHYLCHLOROSILANE	99%	18162-48-6					
YAC-TBDPSC	TERT-BUTYLDIPHENYLCHLOROSILANE	98%	58479-61-1					
Industrial Silane	Series							
Amine Silane Ser	ries (A)							
YAC-A110	3-AMINOPROPYLTRIETHOXYSILANE	95%/97%/98%	919-30-2	KH-550	GF 93	Z-6011	KBE-903	A-1100
YAC-A111	3-AMINOPROPYLTRIMETHOXYSILANE	95%/97%	13822-56-5	KH-540	GENIOSIL GF 96	Z-6610	KBM-903	A-1110
YAC-A112	N-AMINOETHYL-3-AMINOPROPYLTRIMETHOXYSILANE	95%/97%	1760-24-3	KH-792	GENIOSIL GF 9	Z-6020	KBM-603	A-1120
YAC-A112	N-AMINOETHYL-3-AMINOPROPYLTRIMETHOXYSILANE	98%	1700-24-3	KH-792	GF 91	Z-6094	KDIVI-003	
YAC-A160	3-UREIDOPROPYLTRIETHOXYSILANE	50%	23799-32-0			Z-6676	KBE-585	A-1160
YAC-A161	3-UREIDOPROPYLTRIMETHOXYSILANE	95%	23843-64-3	0				A-11542
YAC-A210	3-AMINOPROPYLMETHYLDIETHOXYSILANE	95%	3179-76-8	KH-902		Z-6015	KBE-902	A-2100
YAC-A212	N-AMINOETHYL-3-AMINOPROPYLMETHYLDIMETHOXYSILANE	95%	3069-29-2	KH-602	GENIOSIL GF 95	Z-6436	KBM-602	A-2120
Chloropropyl Sila	ane Series (C)	d e		3	3		(e)	20
YAC-C312	3-CHLOROPROPYLMETHYLDIMETHOXYSILANE	98%	18171-19-2					
YAC-C313	3-CHLOROPROPYLTRIMETHOXYSILANE	98%/99%	2530-87-2	(7)		Z-6376	KBE-703	
YAC-C322	3-CHLOROPROPYLMETHYLDIETHOXYSILANE	95%	13501-76-3	/				
YAC-C323	3-CHLOROPROPYLTRIETHOXYSILANE	98%	5089-70-3	3		Z-6076	KBM-703	A-143

Product Introduction





Alkyl Silane Ser	ries (N)		**			**	A2	•
YAC-N113	METHYLTRIMETHOXYSILANE	99%	1185-55-3			Z-6070	KBM-13	A-1630A
YAC-N123	METHYLTRIETHOXYSILANE	99%	2031-67-6			Z-6370	KBE-13	A-162
YAC-N813	N-OCTYLTRIMETHOXYSILANE	98%	3069-40-7			Z-6672		
YAC-N823	N-OCTYLTRIETHOXYSILANE	98%	2943-75-1			Z-6341		A-137/Y-9187
YAC-N1213	N-DODECYLTRIMETHOXYSILANE	95%	3069-21-4				KBM-3103C	
Epoxy Silane Se	eries (O)							
YAC-0186	2-(3,4-EPOXYCYCLOHEXYL)ETHYLTRIMETHOXYSILANE	98%	3388-04-3			E-6350	KBM-303	
YAC-01861	2-(3,4-EPOXYCYCLOHEXYL)ETHYLTRIETHOXYSILANE	98%	10217-34-2				KBM-303	
YAC-0187	3-GLYCIDOXYPROPYLTRIMETHOXYSILANE	97%/98%/99%	2530-83-8	KH-560	GENIOSIL GF 80	Z-6040	KBM-403	A-187
YAC-01871	3-GLYCIDOXYPROPYLTRIETHOXYSILANE	97%	2602-34-8		GENIOSIL GF 82	Z-6041	KBE-403	A-1871/Y-15589
YAC-01872	3-GLYCIDOXYPROPYLMETHYLDIETHOXYSILANE	97%	2897-60-1			Z-6042	KBE-402	Wetlink 78/Y-15078/Y-11012
YAC-01873	3-GLYCIDOXYPROPYLMETHYLDIMETHOXYSILANE	97%	65799-47-5		GENIOSIL GF 80	Z-6044	KBE-402	
Methacryloxy 9	Silane Series (O)		· /					
YAC-0174	3-METHACRYLOXYPROPYLTRIMETHOXYSILANE	97%/98%/99%	2530-85-0	KH-570	GENIOSIL GF 31	Z-6030	KBM-503	A-174
YAC-01741	3-METHACRYLOXYPROPYLMETHYLDIMETHOXYSILANE	95%/97%	14513-34-9	KH-571		Z 6033	KBM-502	
YAC-01742	3-METHACRYLOXYPROPYLTRIETHOXYSILANE	97%	21142-29-0			Z-6036	KBE-503	Y-11878/Y-9936
YAC-01743	3-METHACRYLOXYPROPYLMETHYLDIETHOXYSILANE	95%/97%	65100-04-1				KBE-502	
Phenyl Silane S	Series (P)		*	1		-		
YAC-P13	PHENYLTRIMETHOXYSILANE	98%	2996-92-1			Z-6124	KBM-103	A-153
YAC-P212	DIPHENYLDIMETHOXYSILANE	96%	6843-66-9			AY-43-047	8	
Mercapto Silan	ne Series (S)		**					
YAC-S312	3-MERCAPTOPROPYLMETHYLDIMETHOXYSILANE	98%	31001-77-1					
YAC-S313	3-MERCAPTOPROPYLTRIMETHOXYSILANE	95%/97%/98%	4420-74-0	KH-590	GENIOSIL GF 70	Z-6062	KBM-803	A-189
YAC-S319	BIS-(3-(TRIETHOXYSILYL)PROPYL)TETRASULFIDE	95%	40372-72-3	KH-846		Z-6940	KBE-846	A-1289
YAC-S323	3-MERCAPTOPROPYLTRIETHOXYSILANE	95%/97%/98%	14814-09-6	KH-580				A-1891
Trialkyl Silane S	Series (T)	*		20	*		- 10	
YAC-T13	TRIMETHOXYSILANE	98%/99%	2487-90-3					
YAC-T23	TRIETHOXYSILANE	98%/99%	998-30-1	j.		i.		
Vinyl Silane Sei	ries (V)		.,					
YAC-V151	VINYLTRIETHOXYSILANE	98%/99%	78-08-0		GENIOSIL GF 56	Z-6518	KBE-1003	A-151
YAC-V171	VINYLTRIMETHOXYSILANE	98%	2768-02-7		GENIOSIL XL 10	Z-6300	KBM-1003	A-171
Other Products	s		16			Wi	76	Ti-
YAC-TEOS 40	TETRAETHOXY ORTHO SILANE - 40		11099-06-2		Silikate TES 40WN			TEOS-40 Silane



Main Products



3-Aminopropyltriethoxy Silane

$$\begin{array}{c} \text{NH}_2 \\ \\ \text{SI} \\ \text{OCH}_2\text{CH}_3 \\ \\ \text{OCH}_2\text{CH}_3 \end{array}$$

Brand Name YAC-A110

Physical properties:

CAS No.	919-30-2
EINECS No.	213-048-4
Molecular Weight	221.37
Density [25°C]	0.9510±0.0050g/cm³
Refractive Index [25°C]	1.4225±0.0050

Specification:

Color and Appearance	Colorless clear liquid	
Purity	≥98.0%	
Color	≤10APHA	

N-Aminoethyl-3-Aminopropyl trimethoxysilane

$$H_3CO-Si$$
OCH₃
 N
 N
 N

Brand Name YAC-A112

Physical properties:

CAS No.	1760-24-3
EINECS No.	217-164-6
Molecular Weight	222.36
Density [25°C]	1.0100±0.0050g/cm³
Refractive Index [25°C]	1.4420±0.0050

Specification:

Color and Appearance	Colorless clear liquid	
Purity	≥98.0%	
Color	≤10APHA	



Main Products





n-Octyltriethoxy Silane

Brand Name YAC-N823

Physical properties:

CAS No.	2943-75-1
EINECS No.	220-941-2
Molecular Weight	276.48
Density [25°C]	0.8790±0.0050g/cm³
Refractive Index [25°C]	1.4170±0.0050

Specification:

Color and Appearance	Colorless clear liquid
Purity	≥98.0%
Color	≤10APHA

3-Glycidoxypropyltrimethoxy Silane

Brand Name YAC-0187

Physical properties:

CAS No.	2530-83-8
EINECS No.	219-784-2
Molecular Weight	236.34
Density [25°C]	1.0070±0.0050g/cm³
Refractive Index [25°C]	1.4280±0.0050

Specification:

Color and Appearance	Colorless clear liquid	
Purity	≥98.0%	
Color	≤10APHA	

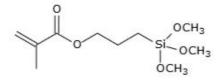


Main Products





3-Methacryloxypropyltrimethoxy Silane



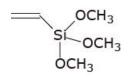
Brand Name YAC-0174

Physical properties:

CAS No.	2530-85-0	
EINECS No.	219-785-8	
Molecular Weight	248.35	
Density [25℃]	1.0445±0.0055g/cm ³	
Refractive Index [25℃]	1.4290±0.0010	

Specification:

Color and Appearance	Colorless clear liquid		
Purity	≥98.0%		
Color	≤25APHA		



Brand Name YAC-V171

Physical properties:

CAS No.	2768-02-7				
EINECS No.	220-449-8				
Molecular Weight	148.23				
Density [25℃]	0.9718±0.0050g/cm3				
Refractive Index [25℃]	1.3925±0.0050				

Specification:

Color and Appearance	Colorless clear liquid				
Purity	≥98.0%				
Color	≤10APHA				

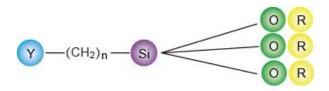






Molecular Formula

Typical structure is: Y(CH2)nSi(OR)3



Why Chosing Silane

- Better wetting properties of resin
- Wet resistance and water removal agent
- Waterproof to constructions
- Better dispersion of mineral fillings
- More clear and transparent of the modified plastic

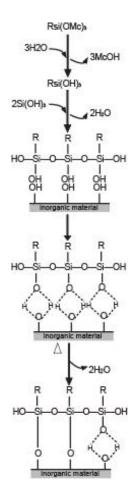
Mechanisma of action

Hydrolysis

Condensation

Hydrogen bonding

Bonding formation



○ Preferred O Applicable □ Only applies to some special silane





How to Choose Silane

	Fuctional groups	-									
	Polymer	Amino	Ероху	Sulfenyl	Mercapto	Acyloxy	Vinyl	Carbamido	Isocyanate group		
Ë	Furan resin	0	0						0		
Thermosetting resin	Unsaturated resin		0			0	0				
	Diallyl phthalate		0			0	0				
	Polyimide	0	0					0	0		
	Polyurethane	0	0		0			0	0		
	Epoxy resin	0	0						0		
	Phenolic resin	0	0					0	0		
Thermoplastic resin	ABS	0	0		0	0			0		
	PET / PBT	0	0						0		
	Polyurethane	0	0		0			0	0		
	Nylon	0	0					0	0		
plas	Polycarbonate	0	0			0			0		
Thermor	PVC	0	0		0						
	Acrylic acid	0	0		0	0					
	Polystyrene	0	0		0	0					
	PP	0	0		0						
	PE	0	0		0						
Emulsion	Acrylic Emulsion					0	0				
	Latex				1	0	0				
	Water-based polyurethane										
Elastomer /Rubber	Polyurethane rubber	0	0	0	© ©			0			
	Thiokol rubber	0	0	0	0						
	Butyl rubber	0	0								
	Neoprene	0		0	0						
	Chloropropionyl (ether) rubber	0		0							
	NBR	0	0		0						
	Styrene-butadiene rubber		0	0	0						
	EPDM rubber	0		0	0	0	0				
	Polyisoprene rubber		7 <u>5</u>		0						
	Polybutadiene rubber				0						





Application

Adhesives & Silicone Sealant

Silane can improve the adhesion of most silicone sealant and adhesives on the metal, glass, stone and other inorganic bases.

Plastic, Polymer & Rubber

Silane can be used to bond the inorganic filler and pigment onto the polymers, optimize the production of PP, crosslink of PE and the production of thermoplastic vulcanizates (TPVS). Besides, it can also be used to produce Silica reinforced rubber, which can be used in manufacturing "green" tires.

Glass Fiber & Composite Materials

Silane can bring significant difference on glass fiber reinforced polymers. Glass fiber is very hydrophilic, can bring the water onto the interface. Without silane treated on the surface, the adhesion between the glass fiber and the resin will become weaker and weaker, until failed finally.











Treatment of Minerals & Fillers

Mineral filler becomes a more and more important additive and modifier in organic polymers. Usually, the hydroxyl on the surface of minerals is hydrophilic, incompatible with organic polymers. But after surface treated with silane, its compatibility and dispersion in the organic polymers are greatly improved.

Painting, Ink & Coating

Silane can form a covalent bond between the inorganic and organic compound.

The stability of Siloxane group (Si-O-Si) make this technology become a key part in the high performance painting and coating.

> Water Repellents & Building Protection

Using silane to prepare the permeability repellent, it can be used in porous substrates, hole blocking sealant and assembled agent, and extend the shelf life of masonry, stone and concrete.







Oversea Exhibition





Our India Company



INDIA

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Our Europe Company



Europe

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THANKS!

