



**VIETNAM TE-1 PAINTS CO., LTD
&
VIET UNITE CHEMICAL CO., LTD**

Commitment to providing sustainable
products for its customers.

Together to strive for excellence

Integrity

Innovation

Lean

Care



PART 01

● Reliable brand

PART 02

● Lead content that
exceeded the standard

PART 03

● Lead can causes harm

PART 04

● Why paint has lead?

PART 05

● The standard of heavy
metals contents

PART 06

● Quality Assurance

PART 07

● Inspection of
heavy metals

PART 08

● Certifications

1975

Headquarter

TE-1 established in Taichung, Taiwan



1996



TE-1 Paint in Vietnam

Ho Chi Minh City factory established in
Binh Chieu Industry Park

2018

PRESENT

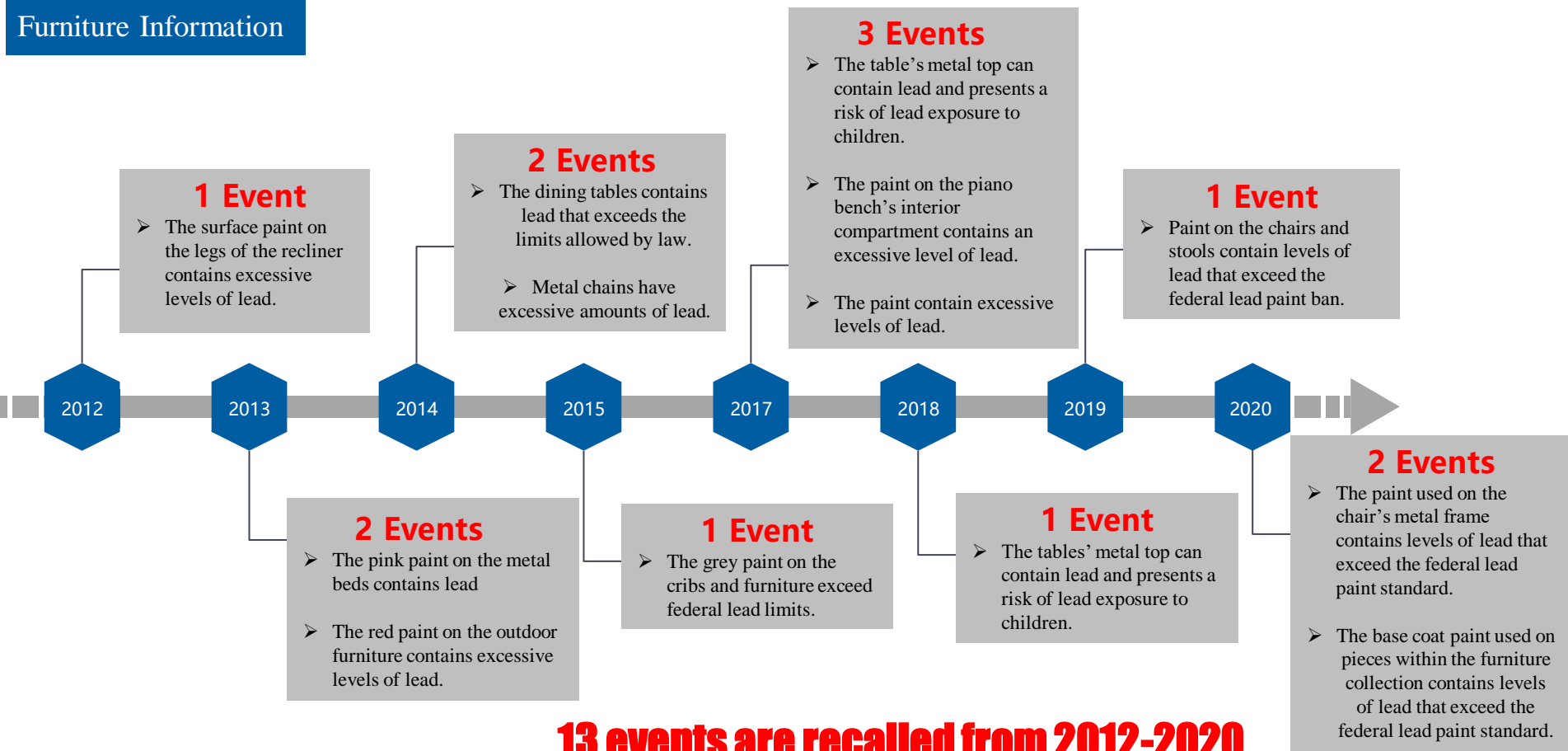
Viet Lien Chemical Co.,LTD

Nam Tan Uyen factory start production in
2018.



Lead content that exceeded the standard

Furniture Information



Lead can causes harm



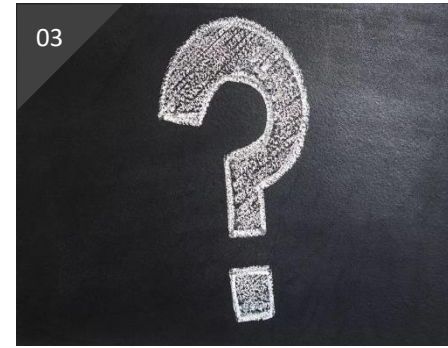
01 When people start to have concern of lead content?

By the mid-20th century, thousands of children were suffering from lead poisoning every year, and one third of these children died. After more case study, some people began to suspect that some of the surviving children from lead poisoning had brain injury sequelae.



02 Symptom

Lead poisoning is easily associated with brain. Symptoms include abdominal pain, constipation, headache, irritability, memory problems, infertility, and numbness of hands and feet.

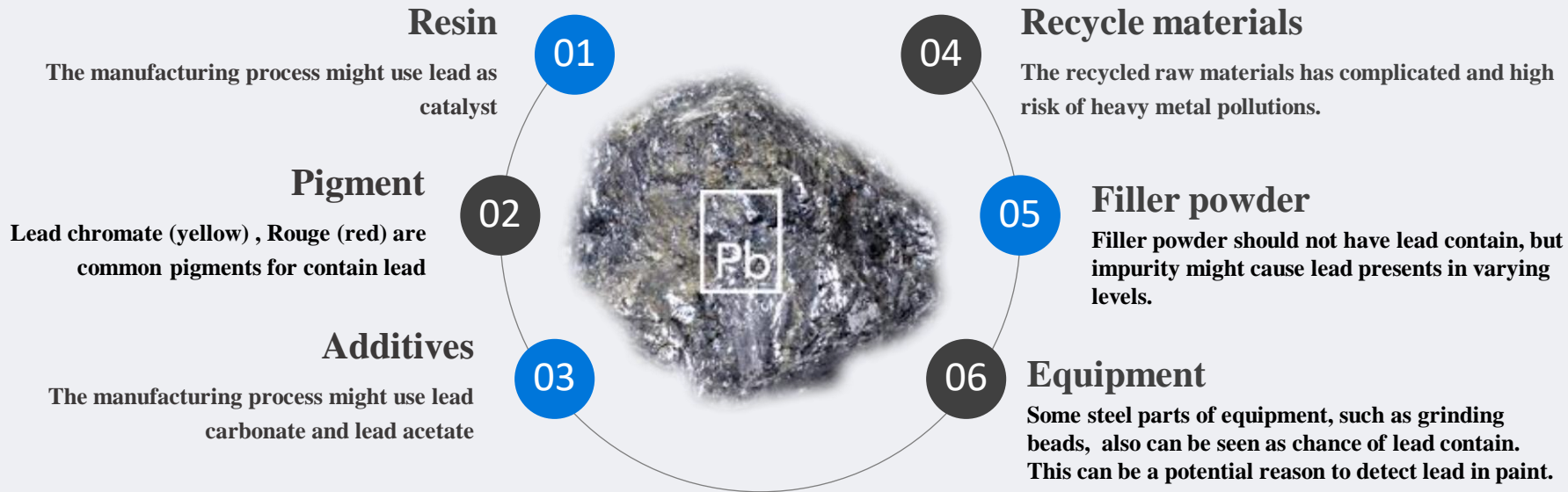


03 Potential concerns

Lead poisoning can also cause behavioral problems, and some of the damages are permanent. In severe cases, it can cause anemia, seizures, coma, or death



Why paint has lead?



The standard of heavy metals contents

European standard EN 71-3

Metal	Limit
Sb	< 60 ppm
As	< 25 ppm
Ba	< 1000 ppm
Cd	< 75 ppm
Cr	< 60 ppm
Pb	< 90 ppm
Hg	< 60 ppm
Se	< 500 ppm

The list keeps updating, there are 19 materials on the list now.




ASTM F963 standard

ASTM F 963 requires the total lead content to be tested to accompany with CSPC 16 CFR. Total Pb<600ppm, soluble lead shall not exceed 90ppm (dry paint)



The standard of heavy metals contents

Solvent Base Series (Base coat)


BUREAU VERITAS

Technical Report: (9620) 184-0268
Date Received: JULY 02, 2020

JULY 04, 2020
Page 1 of 6


CÔNG TY TNHH HÓA PHẨM VIỆT LIÊN
LÔ K1-K2, ĐƯỜNG N4-D3, KHU CÔNG NGHIỆP NAM TÂN UYÊN MỞ RỘNG, PHƯỜNG UYÊN HƯNG, THỊ XÃ TÂN UYÊN, TỈNH BÌNH DƯƠNG, VIỆT NAM

Sample Description: NC BASE COAT SERIES
Vendor: /
Manufacturer: VIET LIEN
Buyer: /
Agent: /
Labeled Age Grade: /
Appropriate Age Grade: /
Client Specified Age Grade: /
Tested Age Grade: /
UPC Code: N/A
Phase of Production: PRODUCTION
Color: /
Program: /
Previous No: N/A
ITEM#: N/A

Sample Size: /
VPN: /
SKN/SKU No.: N/A
PO No.: N/A
Ref #: /
Country of Origin: VIET NAM
Assortment No.: /
Department No.: /
Date of Production: JUL. 2020
Model/Style#: N/A
Country of Destination: /

TEST:
1. ASTM F963-17 Heavy Metal Content In Surface Coating
2. Client's Phthalates Content
3. CPSIA Total lead content in Surface Coating

02


BUREAU VERITAS

CÔNG TY TNHH HÓA PHẨM VIỆT LIÊN
Technical Report: (9620) 184-0268
JULY 04, 2020
Page 3 of 6

SAMPLE DESCRIPTION ASSIGNED BY LABORATORY

Test Item(s)	Sample description/ Location	Material	Style(s)
1001	NC BASE COAT SERIES	LIQUID	-

TEST RESULT

Total Heavy Metals Content - Initial Screening of ASTM International Standard ASTM F963-17, Section 4.3.5.1(2) for Soluble Heavy Metals Content in Surface Coating

Test Method : ASTM International Standard ASTM F963-17, Section 8.3.1 and Annex A7.

Total Element(s)	As	Ba	Cd	Cr	Hg	Pb	Sb	Se
Maximum Allowable Limit (mg/kg)	25	1 000	75	60	60	90	60	500

-	Unit	Result
Test Item(s)	-	1001
Parameter	-	
Total Arsenic (As)	mg/kg	ND
Total Barium (Ba)	mg/kg	ND
Total Cadmium (Cd)	mg/kg	ND
Total Chromium (Cr)	mg/kg	ND
Total Mercury (Hg)	mg/kg	ND
Total Lead (Pb)	mg/kg	ND
Total Antimony (Sb)	mg/kg	ND
Total Selenium (Se)	mg/kg	ND
Conclusion	-	PASS

The standard of heavy metals contents

Solvent Base Series (Top coat)



BUREAU
VERITAS

Technical Report: (9620) 184-0272

JULY 04, 2020

Date Received: JULY 02, 2020

Page 1 of 6

CÔNG TY TNHH HÓA PHẨM VIỆT LIÊN

LÔ K1-K2, ĐƯỜNG N4-D3, KHU CÔNG NGHIỆP NAM TÂN UYÊN MỞ RỘNG, PHƯỜNG UYÊN HƯNG, THỊ XÃ TÂN UYÊN, TỈNH BÌNH DƯƠNG, VIỆT NAM

Sample Description:

NC TOP COAT SERIES

Vendor:

Manufacturer: VIET LIEN

Buyer: /

Agent: /

Labeled Age Grade: /

Appropriate Age Grade: /

Client Specified Age Grade: /

Tested Age Grade: /

UPC Code: N/A

Phase of Production: PRODUCTION

Color: /

Program: /

Previous No: N/A

ITEM#: N/A

Sample Size: /

VPN: /

SKN/SKU No.: N/A

PO No.: N/A

Ref #: /

Country of Origin: VIET NAM

Assortment No.: /

Department No.: /

Date of Production: JUL, 2020

Model/Style#: N/A

Country of Destination: /

TEST:

1. ASTM F963-17 Heavy Metal Content In Surface Coating
2. Client's Phthalates Content
3. CPSIA Total lead content in Surface Coating

02



BUREAU
VERITAS

CÔNG TY TNHH HÓA PHẨM VIỆT LIÊN

Technical Report: (9620) 184-0272

JULY 04, 2020

Page 3 of 6

SAMPLE DESCRIPTION ASSIGNED BY LABORATORY

Test Item(s)	Sample description/ Location	Material	Style(s)
1001	NC TOP COAT SERIES	LIQUID	-

TEST RESULT

Total Heavy Metals Content - Initial Screening of ASTM International Standard ASTM F963-17, Section 4.3.5.1(2) for Soluble Heavy Metals Content in Surface Coating

Test Method : ASTM International Standard ASTM F963-17, Section 8.3.1 and Annex A7.

Total Element(s)	As	Ba	Cd	Cr	Hg	Pb	Sb	Se
Maximum Allowable Limit (mg/kg)	25	1 000	75	60	60	90	60	500

Test Item(s)	Unit	Result
Parameter	-	1001
Total Arsenic (As)	mg/kg	ND
Total Barium (Ba)	mg/kg	ND
Total Cadmium (Cd)	mg/kg	ND
Total Chromium (Cr)	mg/kg	ND
Total Mercury (Hg)	mg/kg	ND
Total Lead (Pb)	mg/kg	ND
Total Antimony (Sb)	mg/kg	ND
Total Selenium (Se)	mg/kg	ND
Conclusion	-	PASS

The standard of heavy metals contents

Water-borne Series



BUREAU
VERITAS

Technical Report: (9620) 015-0136 JANUARY 18, 2020
Date Received: JANUARY 15, 2020 Page 1 of 6

CÔNG TY TNHH HÓA PHẨM VIỆT LIÊN
LÔ K1-K2, ĐƯỜNG N4-D3, KHU CÔNG NGHIỆP NAM TÂN UYÊN MỞ RỘNG, PHƯỜNG UYÊN HUNG, THỊ XÃ TÂN
UYÊN, TỈNH BÌNH DƯƠNG, VIỆT NAM

Sample Description: **WATERBORN SERIES**
Vendor: /
Manufacturer: VIET LIEN
Buyer: /
Agent: /
Labeled Age Grade: /
Appropriate Age Grade: /
Client Specified Age Grade: /
Tested Age Grade: /
UPC Code: N/A
Phase of Production: PRODUCTION
Color: /
Program: /
Previous No: N/A
ITEM#: N/A

Sample Size: /
VPN: /
SKN/SKU No.: N/A
PO No.: N/A
Ref #: /
Country of Origin: VIET NAM
Assortment No.: /
Department No.: /
Date of Production: JAN, 2020
Model/Style#: N/A
Country of Destination: /

TEST:
1. Total lead content in Surface Coating
2. ASTM F963-17 Heavy Metal Content In Surface Coating
3. Client's Phthalates Content

EXECUTIVE SUMMARY:

The sample(s) MEETS the following requirement(s):

- The total lead content of 90ppm requirements of 16 CFR 1303, "Ban of lead-containing paint and certain consumer products bearing lead-containing paint" as mandated by Congress in section 101(f) of the Consumer Products Safety Improvement Act (CPSIA) of 2008, Public Law 110-314.
- The heavy metals content in surface coating requirements of ASTM F963-17, "Standard Consumer Safety Specification for Toy Safety," Section 4.3.5.1(2).
- The Phthalates content requirement of client's specification.

03



BUREAU
VERITAS

CÔNG TY TNHH HÓA PHẨM VIỆT LIÊN
Technical Report: (9620) 015-0136
JANUARY 17, 2020
Page 4 of 6

TEST RESULT

Total Heavy Metals Content - Initial Screening of ASTM International Standard ASTM F963-17, Section 4.3.5.1(2) for Soluble Heavy Metals Content in Surface Coating

Test Method : ASTM International Standard ASTM F963-17, Section 8.3.1 and Annex A7.

Total Element(s)	As	Ba	Cd	Cr	Hg	Pb	Sb	Se
Maximum Allowable Limit (mg/kg)	25	1 000	75	60	60	90	60	500

-	Unit	Result
Test Item(s)	-	1001
Parameter	-	-
Total Arsenic (As)	mg/kg	ND
Total Barium (Ba)	mg/kg	ND
Total Cadmium (Cd)	mg/kg	ND
Total Chromium (Cr)	mg/kg	ND
Total Mercury (Hg)	mg/kg	ND
Total Lead (Pb)	mg/kg	ND
Total Antimony (Sb)	mg/kg	ND
Total Selenium (Se)	mg/kg	ND
Conclusion	-	PASS

Note / Key :

ND = Not detected
% = percent
mg/kg = milligram(s) per kilogram
Detection Limit (mg/kg) - As : 10 ; Ba : 40 ; Cd : 20 ; Cr : 10 ; Hg : 10 ; Pb : 20 ; Sb : 20 ; Se : 40
The result was conducted after drying

">" = Greater than
NR = Not requested
ppm = part(s) per million

Quality Assurance

01

ISO 9001



02

Third Party Certification



03

Testing equipment



Inspection of heavy metals

Raw materials allows to enter warehouse

Materials are storage at
designated areas

STEP 01

STEP 02

STEP 03

Finished product inspection

The goods will test again
before packing

STEP 04

STEP 05

Finished good delivery

Check the items package make
sure the containers are intact

STEP 06

Raw material inspection

Every batch of raw material will
tested by machine (similar machine
as third party lab use)



Semi-finished product

During the manufacturing
process, every materials and
equipment are no heavy metal
contaminated



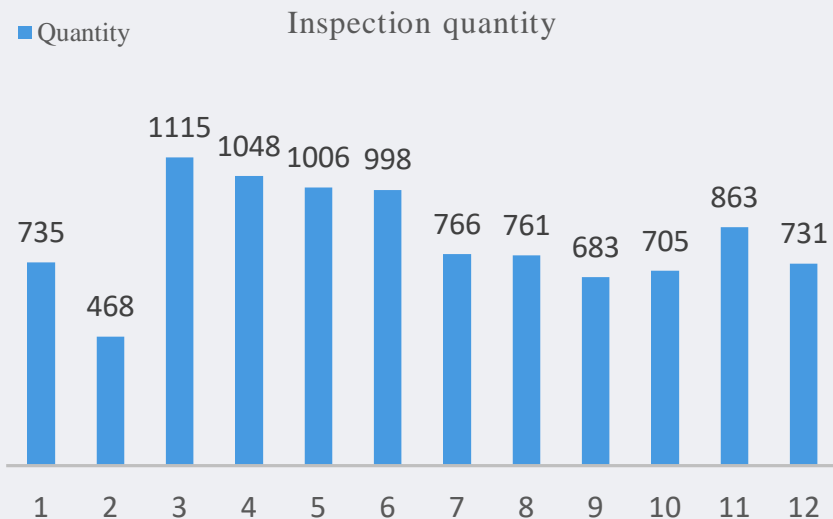
Finished good packing

Finished goods are storage in
warehouse and ready for
delivery



The inspection quantity in 2019 is **9879** batches

**Lead free in manufacturing is our insist,
100% Non-detected**





GREENGUARD

The first voluntary low emission declaration certification for commercialized products. The certification has the most strict chemical emission standard around the world.

01

NC STAIN SERIES

CERTIFICATE OF COMPLIANCE



TE-1 Paints CO.,LTD
NC Wood Finish System (Stain
Finishing)

WATER BASED STAIN SERIES

CERTIFICATE OF COMPLIANCE



TE-1 Paints CO.,LTD
Water Based Wood Finish System
(Stain Finishing)

NC PIGMENT SERIES

CERTIFICATE OF COMPLIANCE



TE-1 Paints CO.,LTD
NC Wood Finish System (Pigment
Finishing)

WATER BASED PIGMENT SERIES

CERTIFICATE OF COMPLIANCE



TE-1 Paints CO.,LTD
Water Based Wood Finish System
(Pigment Finishing)



Green Building Material

The certification is to prove that materials have the least impact on the global environment and are harmless to human health.

02



公司認證



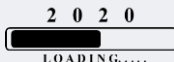
ISO 9001

A set of internationally quality management tools and protocols to maintain the quality of products and services provided by the company and ensure quality consistency.



ISO14001

ISO14001 is an establishment and implementation of an environmental management system and certification.



03





We make the world more colorful

We make the environment more sustainable

We make product more healthy

Thanks

TE-1 blends colors with environmental friendly solutions