

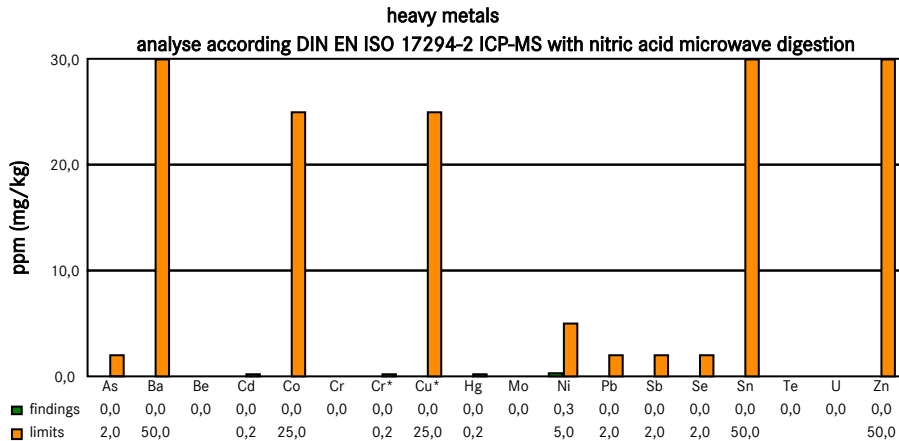
# ANALYSIS SUMMARY

**Manufacturer:** HANAMI, Al. Jana Pawla II 66, 47-232 Kedzierzyn Kozle, Poland

**Colour:** Hanami permanent make-up ink Flash Light, 10 x 10 ml, with novoxx® technology

**Lot:** 13404

**Reference:** PMU 022



**heavy metal limits according:**

Council of Europe Resolution ResAP(2008)1

Ni: Limit of intervention 2013 by authorities (RAPEX alert)

(if no limit is indicated, there is no limits for this heavy metal)

Cr\*: Chromium (VI)

Cu\* Copper soluble

**sterility statement**  
**according CoE ResAP(2008)1**

Definition:

"Sterile" according to the Council of Europe

Resolution means the absence of viable organisms, including viruses.

This ink is sterilised according to the medical device directive. It is delivered without viable organisms.

This ink is free of preservatives and must not be diluted until use.

**toxicological statement**  
**according CoE ResAP(2008)1**

This ink fulfills all toxicological demands of CoE ResAP(2008)1 on tattoos and permanent make-up. It can be considered as non toxic, non corrosive, non irritating, non phototoxic, non sensitisation, non photosensitisation and non genotoxic according to the Council of Europe Resolution ResAP(2008)1 and today's knowledge.

**aromatic amines**  
**analyse according EN 14362 GC/IV**

| quantity | aminecompound                      | CAS no.     |
|----------|------------------------------------|-------------|
| <1 ppm   | Biphenyl-4-amine                   | 92-67-1     |
| <1 ppm   | Benzidine                          | 92-87-5     |
| <1 ppm   | 4-chloro-o-toluidine               | 95-69-2     |
| <1 ppm   | 2-naphtylamin                      | 91-59-8     |
| <1 ppm   | o-aminoazotoluene                  | 97-56-3     |
| <1 ppm   | 5-nitro-o-toluidine                | 99-55-8     |
| <1 ppm   | 4-chloroaniline                    | 106-47-8    |
| <1 ppm   | 4-methoxy-m-phenylenediamine       | 615-05-4    |
| <1 ppm   | 4,4'-methylenedianiline            | 101-77-9    |
| <1 ppm   | 3,3'-dichlorobenzidine             | 91-94-1     |
| <1 ppm   | 3,3'-dichlorobenzidine             | 119-90-4    |
| <1 ppm   | 3,3'-dimethylbenzidine             | 119-93-7    |
| <1 ppm   | 4,4'-metylenedi-o-toluidine        | 838-88-0    |
| <1 ppm   | 6-methoxy-m-toluidine              | 120-71-8    |
| <1 ppm   | 4,4'-methylenebis(2-chloroaniline) | 101-14-4    |
| <1 ppm   | 4,4'-oxydianiline                  | 101-80-4    |
| <1 ppm   | 4,4'-thiodianiline                 | 139-65-1    |
| <1 ppm   | o-toluidine                        | 95-53-4     |
| <1 ppm   | 4-methyl-m-phenylenediamine        | 95-80-7     |
| <1 ppm   | 2,4,5-trimethylaniline             | 137-17-7    |
| <1 ppm   | o-anisidine                        | 90-04-4     |
| <1 ppm   | 4-aminoazobenzene                  | 60-09-3     |
| <1 ppm   | 4-amino-3-flurphenol               |             |
| <1 ppm   | 2,4-xylydine                       | 95-68-1     |
| <1 ppm   | 2,6 xylydine                       | 87-62-7     |
| <1 ppm   | 6-amino-2-ethoxynaphthaline        | 293733-21-8 |

**polycyclic aromatic hydrocarbons (PAH)**  
**analyse according CTL Bielefeld method**

| quantity | PAH                   | CAS no.   |
|----------|-----------------------|-----------|
| <10 ppb  | Naphtalene            | 91-20-3   |
| <10 ppb  | Acenaphthylene        | 208-96-8  |
| <10 ppb  | Acenaphthene          | 83-32-9   |
| <10 ppb  | Fluorene              | 86-73-7   |
| <10 ppb  | Phenanthrene          | 85-01-8   |
| <10 ppb  | Anthracene            | 120-12-7  |
| <10 ppb  | Fluoranthene          | 206-44-0  |
| <10 ppb  | Pyrene                | 129-00-0  |
| <10 ppb  | Benz(a)anthracene     | 56-55-3   |
| <10 ppb  | Chrysene              | 218-01-9  |
| <10 ppb  | Benz(b)fluoranthene   | 205-99-2  |
| <10 ppb  | Benz(K)fluoranthene   | 205-916-6 |
| <1 ppb   | Benzo(a)pyrene        | 50-32-8   |
| <10 ppb  | Dibenz(a,h)anthracene | 53-70-3   |
| <10 ppb  | Indo(1,2,3,c,d)pyrene | 193-39-5  |
| <10 ppb  | Benzo(ghi)perylene    | 191-24-2  |
| <10 ppb  | TOTAL PAH             |           |

**Laboratory information**

heavy metals, aromatic amines and polycyclic aromatic hydrocarbons (PAH) of raw material:  
CTL Bielefeld, Krackser Str.12, 33659 Bielefeld, Germany

microbiological tests:

MTL Bad Elster, Brambacher Str.17, 08645 Bad Elster, Germany  
Oslo University College, Pilestredet 52, 0130 Oslo, Norway

This analysis summary is valid only for the indicated lot.

Responsible Person and Signer:

Ralf Michel, Bachelor of Public Administration  
Head of Quality Management

Date of filling 30.07.2018



# ANALYSIS SUMMARY

**Manufacturer:** HANAMI, Al. Jana Pawla II 66, 47-232 Kedzierzyn Kozle, Poland

**Colour:** Hanami permanent make-up ink Flash Light, 10 x 10 ml, with n

**Lot:** 13404

**Reference:** PMU 022

**Investigation of Dystuff according to EU Resolution ResAP(2008)1  
DIN 54231 in up-to-date legislation GC/MS, HPLC, TLC Analysis**

| quantity | CI Name            | CAS Number | CI Number |
|----------|--------------------|------------|-----------|
| < 5 ppm  | Acid Green 16      | 12768-78-4 | 44025     |
| < 5 ppm  | Acid Red 26        | 3761-53-3  | 16150     |
| < 5 ppm  | Acid Violet 17     | 4129-84-4  | 42650     |
| < 5 ppm  | Acid Violet 49     | 1694-09-3  | 42640     |
| < 5 ppm  | Acid Yellow 36     | 587-98-4   | 13065     |
| < 5 ppm  | Basic Blue 7       | 2390-60-5  | 42595     |
| < 5 ppm  | Basic Green 1      | 633-03-4   | 42040     |
| < 5 ppm  | Basic Red 1        | 989-38-8   | 45160     |
| < 5 ppm  | Basic Red 9        | 569-61-9   | 42500     |
| < 5 ppm  | Basic Violet 1     | 8004-87-3  | 42535     |
| < 5 ppm  | Basic Violet 10    | 81-88-9    | 45170     |
| < 5 ppm  | Basic Violet 3     | 548-62-9   | 42555     |
| < 5 ppm  | Disperse Blue 1    | 2475-45-8  | 64500     |
| < 5 ppm  | Disperse Blue 106  | 12223-01-7 |           |
| < 5 ppm  | Disperse Blue 124  | 61951-51-7 |           |
| < 5 ppm  | Disperse Blue 3    | 2475-46-9  | 61505     |
| < 5 ppm  | Disperse Blue 35   | 12222-75-2 |           |
| < 5 ppm  | Disperse Orange 3  | 730-40-5   | 11005     |
| < 5 ppm  | Disperse Orange 37 | 12223-33-5 |           |
| < 5 ppm  | Disperse Red 1     | 2872-52-8  | 11110     |
| < 5 ppm  | Disperse Red 17    | 3179-89-3  | 11210     |
| < 5 ppm  | Disperse Yellow 3  | 2832-40-8  | 11855     |
| < 5 ppm  | Disperse Yellow 9  | 6373-73-5  | 10375     |
| < 5 ppm  | Pigment Orange 5   | 3468-63-1  | 12075     |
| < 5 ppm  | Pigment Red 53     | 2092-56-0  | 15585     |
| < 5 ppm  | Pigment Violet 3   | 1325-82-2  | 42535:2   |
| < 5 ppm  | Pigment Violet 39  | 64070-98-0 | 42555:2   |
| < 5 ppm  | Solvent Blue 35    | 17354-14-2 | 61554     |
| < 5 ppm  | Solvent Orange 7   | 3118-97-6  | 12140     |
| < 5 ppm  | Solvent Red 24     | 85-83-6    | 26105     |
| < 5 ppm  | Solvent Red 49     | 509-34-2   | 45170:1   |
| < 5 ppm  | Solvent Violet 9   | 467-63-0   | 42555:1   |
| < 5 ppm  | Solvent Yellow 1   | 60-09-3    | 11000     |
| < 5 ppm  | Solvent Yellow 2   | 60-11-7    | 11020     |
| < 5 ppm  | Solvent Yellow 3   | 97-56-3    | 11160     |

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Responsible Person and Signer:

Ralf Michel, Bachelor of Public Administration  
Head of Quality Management

