

O27. SURVEILLANCE ACTIVITIES IN ITALY: DETERMINATION OF HAZARDOUS SUBSTANCES IN TATTOO INKS - THE ITALIAN LABORATORIES NETWORK**Manuela Agnello¹, Marco Fontana¹, Luca D'Ambrosio², Flavio Ciesa²**¹Arpa Piemonte, Grugliasco (Turin), Italy²Appa Bolzano, Bolzano, Italy

In the last ten years Italy has promoted a national program of chemical evaluation for the safety of tattoos and permanent make-up.

Italian Ministry of Health has developed a national network of laboratories for the implementation of analytical controls on articles (according to Annex XVII - REACH regulation n° (CE) n. 1907/2006) and other products.

The network involved various regional public laboratories with high specialization grade operating on the entire Italian territory.

ARPA Piemonte developed methods for the analysis of aromatic amines and PAHs on tattoo inks and PMU inks, APPA Bolzano developed method for the determination of heavy metals in the same articles.

The analytical results of hazardous substances determination are discussed, for hundreds of products deriving from the policies of surveillance of Italian public health authorities.

Our focus regards the most critical typologies of products, the variability of products conformity depending on variables such as the typology of pigments, and the commercial provenance.

Finally, the improvement of control policies is proposed through the strengthening of a European network of laboratories adopting shared analytical methods.