FORENSIC ANALYSIS OF SAMPLES OF CONFISCATED
ABUSE SUBSTANCES, CARRIED OUT IN THE
LABORATORY OF ANALYSIS AND DRUGS OF THE
CARABINIERI, MILITARY STATION “CARINI”,
PALERMO

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The aim of this study was to define some methods of qual-
itative and quantitative analysis for technical verification of
alleged drugs confiscated by the stations of the Carabinieri in
Palermo and Trapani provinces. Observation concerned: the
quantity of the confiscated material, the quantity of the active
principle, the cutting substances and the consumption in adult
and minor population. The Carabinieri ask for analyses of
confiscated drugs to the L.A.S.S. laboratory, where the sam-
plies are added with the suitable standard and put to ultra-
sound. Then, the solution is analyzed with gas cromatography
and gas mass spectrometry. In 2015 there were 1,000
analysed finds out of 1,454 total finds. The net weight was:
1102,03 g heroin, 15724,5 g hashish, 40812,7 g mariju-
a, 18,396 g MDMA, 902,1 g methadone and 0,32721 g
LSD. The net weight of the active principle was: 907,3 g
cocaine; 8,7 g heroin; 4126,7 g hashish; 3829,2 g marigu-
a; 19,35 g MDMA; 7,26 g methadone and 0,00112 g LSD.
Cannabis is the illegal substance used by people of all age
and the first step towards other more dangerous drugs. Heroin
is cut, while cocaine undergoes less dilution or adulteration.
Ecstasy and MDMA are associated with nightlife and con-
sumed together with alcohol. Drug abuse among young peo-
ple is still an issue; with respect to some substances, it is even
increasing.