

## **Peculiarities of mineral resources of natural gem materials of Russia.**

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Russia has deposits of various gem stones. Nowadays the deposits of beryl, tourmaline, chrysolite, chrome diopside (jewelry); agate, amazonite, lasurite, nephrite, rodonite, carnelian, charoite, amber (gem and ornamental materials); serpentine, onyx marble and jasper (ornamental materials) are developed. The deposits of amethyst, demantoid garnet, precious opal and opicalcite are prospecting and reserve.

The unique and very large, large, average and small deposits are classified to the value of raw materials and scales of resources. 128 deposits have been analyzed and three of them are believed to unique (chrome diopside, charoite, amber), one is very large (precious serpentine), twenty eight are large (agate, amazonite, amethyst, serpentine, lasurite, opicalcite, nephrite, rodonite, chrysolite, jasper), twenty seven are average, the rest are small.

In spite of not great quantity of unique, very large and large deposits 74 % of the Russian reserves of natural gems belong to them including high quality one. Comparison of natural gem reserves has shown the jewelry stones are 0.01% of all reserves. The ornamental materials consist 74% and the rest belongs to gem and ornamental ones.