

ing not only in crystalline form, but in superior specific gravity and hardness; in being more difficultly soluble in water, and in its taste being less intensely alkaline; neither does it deliquesce as natron does, and it may be preserved for any length of time unchanged in a dry atmosphere.

It occurs in the province of Sukena in Egypt, forming a thin stratum in muriate of soda; also in Barbary, and in Maracaibo and Columbia in South America. *Trona* is its African, *Urao* its American name.

SULPHATE OF SODA.

Glauber Salt. Naturlisches Glaubersalz, W. Soude Sulphatée, H. Prismatic Glauber Salt, M. Exantholose, *Beudant*.

	Vesuvius.	Hildesheim.
Contains Soda	35.0	33.4
Sulphuric acid	44.8	42.5
Water	20.2 Beudant.	18.8 Beudant.
	Sp. Gr. 1.47.	

Primary form an oblique rhombic prism of $99^{\circ} 36'$ and $80^{\circ} 24'$. Sulphate of soda is found in efflorescences of a yellow or greyish-white colour, or in an earthy form, but is more commonly dissolved in certain mineral waters; translucent or opaque; lustre vitreous on the fresh fracture, dull on the surface; extremely efflorescent, and falling spontaneously into powder. It is cooling, bitter and saline to the taste, and is usually met with in the neighbourhood of rock-salt or brine springs. Before the blow-pipe in the matrass it melts in its water of composition.

Sulphate of soda is found in the salt mines of Upper Austria, Hungary, and Switzerland; near Madrid in efflorescences at the bottom of a ravine; at Grenoble in France; in the workings of old mines, and sometimes on old walls, in the same manner as nitre. It is an ingredient of the hot springs of Carlsbad, Eger, and Sedlitz in Bohemia. When purified of the iron with which it is usually tinged in the native state, or when prepared artificially, it is used in medicine under the name of *Glauber's Salt*.

NITRATE OF SODA.

Zootinsalz, *Breithaupt*. Soude Nitratée, *Necker*.

Consists of Soda	45.03	37.2
Nitric acid	54.97	62.8 Gmelin.
	Sp. Gr. 2.1. H. = 1.5—2.0.	

Primary form an obtuse rhomboid of about 106° and 74° ; cleavage parallel to the faces of the primary. This salt appears oc-