

Olympus Industrial Minerals S.A.
XRD Results for Zeolite Sample, "N23(4)"

August 2, 2017
Lab no. 217234

Mineral Name	Chemical Formula	Approx. Wt %
Clinoptilolite	$(\text{Na}, \text{K}, \text{Ca})_6(\text{Si}, \text{Al})_{36}\text{O}_{72} \cdot 20\text{H}_2\text{O}$	85
Alkali feldspar	KAlSi_3O_8	—
Plagioclase feldspar	$(\text{Na}, \text{Ca})\text{Al}(\text{Si}, \text{Al})_3\text{O}_8$	9
Quartz	SiO_2	<3
Mica/illite	$(\text{K}, \text{Na}, \text{Ca})(\text{Al}, \text{Mg}, \text{Fe})_2(\text{Si}, \text{Al})_4\text{O}_{10}(\text{OH}, \text{F})_2$	<3
"Unidentified"	?	<5

Initial _____

Date _____

Analysis performed by The Mineral Lab, Inc

