$H_3Na_3[PO_4]_2Te[OH]_6$	*hP*40	(182) $P6_322 - i^2hf^2b$

$Na_3Te(HPO_4)(H_2PO_4)(OH)_6$ [1]
Structural features: Single $P(O,OH)_4$ tetrahedra and $Te(OH)_6$ octahedra; Na in distorted octahedral voids.

Averbuch Pouchot M.T. (1980) [1]
$H_6Na_3O_{14}P_2Te$
$a = 0.7883$, $c = 1.0863$ nm, $c/a = 1.378$, $V = 0.5846$ nm^3, $Z = 2$

site	Wyck.	sym.	*x*	*y*	*z*	occ.	atomic environment
O1	12*i*	1	0.1401	0.4932	0.0759		single atom P
(OH)2	12*i*	1	0.209	0.1964	0.1518		single atom Te
Na3	6*h*	..2	0.5291	0.0583	$^1/_4$		octahedron $O_4(OH)_2$
P4	4*f*	3..	$^1/_3$	$^2/_3$	0.02169		tetrahedron O_4
O5	4*f*	3..	$^1/_3$	$^2/_3$	0.6167		single atom P
Te6	2*b*	3.2	0	0	$^1/_4$		octahedron $(OH)_6$

Experimental: single crystal, diffractometer, X-rays, R = 0.020

Remarks: H belonging to PO_4 was not located. Hydrogen atoms are not taken into consideration for Pearson symbol, Wyckoff sequence and atomic environments.

References: [1] Averbuch Pouchot M.T. (1980), Acta Crystallogr. B 36, 2405-2406.