

Table S1: Petrographic description of thin sections

Type	Scoriaceous bomb	HLN2A6F	
Texture	Vitrophyric, hypocrySTALLine, weakly vesicular, resorption borders, sieved and interstitial		
Phenocryst		8 % Total Rock	
Mineral	Shape	Size (mm)	Content%
Plagioclase	Subhedral	1 - 2,5	5
Microphenocryst: Olivine	Subhedral	0,1 - 0,2	2
Microphenocryst: (clino)pyroxene	Subhedral - Anhedral	< 1	1

Background mass		40 % Total Rock	
Mineral	Shape	Size (mm)	Content (%)
Plagioclase	Subhedral	< 0,2	15
Interstitial glass	-	-	25

Vesicules		52 % Total Rock	
Shape		Size	
Spherical, occasionally elongated with irregular border		10 - 20 mm	

Table S1a: HLN2A6F

Type	Scoriaceous bomb	HLN2A6A	
Texture	Vitrophyric, hypocrystalline, weakly vesicular, resorption borders, sieved and interstitial		
Phenocryst		15 % Total Rock	
Mineral	Shape	Size (mm)	Content%
Plagioclase	Subhedral	1 - 3,5	10
Olivines	Subhedral	1 - 2,5	1
Microphenocryst: Olivine	Subhedral	< 1	2
Microphenocryst: (clino)pyroxene	Subhedral - Anhedral	< 1	2

Background mass		50 % Total Rock	
Mineral	Shape	Size (mm)	Content%
Plagioclase	Subhedral	< 1	30
Interstitial glass	-	-	20

Vesicules		52 % Total Rock	
Shape		Size	
Spherical, occasionally elongated with irregular border		0,5 - 3 mm	

Table S1b: HLN2A6A

Type	Spatter scoriaceous bomb	HLN2A7	
Texture	Vitrophyric, hypocrySTALLine, vesicular, borders, sieved and interstitial		
Phenocryst		5 % Total rock	
Mineral	Shape	Size (mm)	Content%)
Plagioclase	Subhedral	1 - 3,5	3
Microphenocryst: Olivine	Subhedral	< 1	1
Microphenocryst: (clino)pyroxene	Subhedral - Anhedral	< 0,5	<1

Background mass		35 % Total Rock	
Mineral	Shape	Size (mm)	Content%)
Plagioclase	Subhedral	< 0,8	1
Interstitial glass	-	-	34

Vesicles		60 % Total Rock	
Shape		Size	
Spherical, occasionally elongated with irregular border		0,5 - 20	

Table S1c: HLN2A7

Type	Vesicular scoria lapilli	HLN2A9	
Texture	Vitrophyric, hypocrySTALLine, vesicular, borders, sieved and interstitial		
FenocrisTales		6 % Total Rock	
Mineral	Shape	Size (mm)	Content%
Plagioclase	Subhedral	1 - 3,0	4
Olivine	Subhedral	1 - 2,5	1
Microphenocryst: Olivine	Subhedral	0,2 - 0,4	1
Microphenocryst: (clino)pyroxene	Subhedral - Anhedral	0,2 - 0,4	<1
Background mass		36 % Total Rock	
Mineral	Shape	Size (mm)	Content%
Plagioclase	Subhedral	< 0,5	6
Interstitial glass	-	-	36
Vesicules		52 % Total Rock	
Shape		Size	
Spherical, occasionally elongated with irregular border		0,5 - 20	

Table S1d: HLN2A9