

# Apa zythos

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- Gravity **14.7 BLG**
- ABV **6.1 %**
- IBU **37**
- SRM **4.4**
- Style **American Pale Ale**

## Batch size

- Expected quantity of finished beer **25 liter(s)**
- Trub loss **10 %**
- Size with trub loss **28 liter(s)**
- Boil time **60 min**
- Evaporation rate **15 %/h**
- Boil size **35.1 liter(s)**

## Mash information

- Mash efficiency **80 %**
- Liquor-to-grist ratio **3.5 liter(s) / kg**
- Mash size **25.9 liter(s)**
- Total mash volume **33.3 liter(s)**

## Steps

- Temp **62 C**, Time **55 min**
- Temp **78 C**, Time **5 min**

## Mash step by step

- Heat up **25.9 liter(s)** of strike water to **68C**
- Add grains
- Keep mash **55 min** at **62C**
- Keep mash **5 min** at **78C**
- Sparge using **16.6 liter(s)** of **76C** water or to achieve **35.1 liter(s)** of wort

## Fermentables

Type	Name	Amount	Yield	EBC
Grain	Viking Pale Ale malt	6.5 kg (87.8%)	80 %	5
Grain	Płatki owsiane	0.4 kg (5.4%)	60 %	3
Grain	Pszeniczny	0.5 kg (6.8%)	85 %	4

## Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Zula	30 g	60 min	9.7 %
Boil	Zythos	60 g	0 min	9.2 %
Dry Hop	Zythos	30 g	3 day(s)	9.2 %
Dry Hop	Azacca	30 g	3 day(s)	13.2 %
Boil	Amarillo	20 g	60 min	9.5 %

## Yeasts

Name	Type	Form	Amount	Laboratory
Kveik SKARE	Lager	Slant	100 ml	2 łyżki stolowe