

# 100% brett

- Gravity **13.6 BLG**
- ABV ---
- IBU **28**
- SRM **3.9**
- Style **American Pale Ale**

## Batch size

- Expected quantity of finished beer **20 liter(s)**
- Trub loss **5 %**
- Size with trub loss **21 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **25.3 liter(s)**

## Mash information

- Mash efficiency **80 %**
- Liquor-to-grist ratio **3.5 liter(s) / kg**
- Mash size **14 liter(s)**
- Total mash volume **18 liter(s)**

## Steps

- Temp **65 C**, Time **60 min**
- Temp **70 C**, Time **10 min**

## Mash step by step

- Heat up **14 liter(s)** of strike water to **71.4C**
- Add grains
- Keep mash **60 min** at **65C**
- Keep mash **10 min** at **70C**
- Sparge using **15.3 liter(s)** of **76C** water or to achieve **25.3 liter(s)** of wort

## Fermentables

Type	Name	Amount	Yield	EBC
Grain	Briess - Pale Ale Malt	3 kg (62.5%)	80 %	7
Grain	Płatki owsiane	1 kg (20.8%)	85 %	3
Dry Extract	WES ekstrakt słodowy jasny	0.8 kg (16.7%)	80 %	---

## Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Amarillo	20 g	60 min	9.5 %
Aroma (end of boil)	Galaxy	10 g	15 min	15 %
Aroma (end of boil)	Galaxy	20 g	0 min	15 %

## Yeasts

Name	Type	Form	Amount	Laboratory
Wyeast - Brettanomyces bruxellensis	Ale	Slant	20 ml	Wyeast Labs