

## Americana 1.3

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- Gravity **14.3 BLG**
- ABV ---
- IBU **28**
- SRM **5.2**
- Style **American Wheat or Rye Beer**

### Batch size

- Expected quantity of finished beer **28 liter(s)**
- Trub loss **5 %**
- Size with trub loss **29.4 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **35.4 liter(s)**

### Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **22.2 liter(s)**
- Total mash volume **29.6 liter(s)**

### Steps

- Temp **67 C**, Time **80 min**
- Temp **72 C**, Time **50 min**
- Temp **76 C**, Time **2 min**

### Mash step by step

- Heat up **22.2 liter(s)** of strike water to **74.8C**
- Add grains
- Keep mash **80 min** at **67C**
- Keep mash **50 min** at **72C**
- Keep mash **2 min** at **76C**
- Sparge using **20.6 liter(s)** of **76C** water or to achieve **35.4 liter(s)** of wort

### Fermentables

Type	Name	Amount	Yield	EBC
Grain	Strzegom Pilzneński	3.5 kg (47.3%)	80 %	4
Grain	Weyermann pszeniczny jasny	3.5 kg (47.3%)	80 %	6
Grain	Karmelowy Czerwony	0.1 kg (1.4%)	75 %	59
Grain	Strzegom Karmel 30	0.2 kg (2.7%)	75 %	30
Grain	Acid Malt	0.1 kg (1.4%)	58.7 %	6

### Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Citra	15 g	60 min	12 %
Boil	Amarillo	5 g	60 min	9.5 %
Boil	Amarillo	25 g	15 min	9.5 %
Boil	Cascade	25 g	0 min	6 %

### Yeasts

Name	Type	Form	Amount	Laboratory
Safale US-05	Ale	Slant	200 ml	Fermentis