

Citrillo APA

- Gravity **13 BLG**
- ABV ---
- IBU **28**
- SRM **6.1**
- Style **American Pale Ale**

Batch size

- Expected quantity of finished beer **40 liter(s)**
- Trub loss **5 %**
- Size with trub loss **42 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **50.6 liter(s)**

Mash information

- Mash efficiency **80 %**
- Liquor-to-grist ratio **3.5 liter(s) / kg**
- Mash size **31.5 liter(s)**
- Total mash volume **40.5 liter(s)**

Steps

- Temp **66 C**, Time **60 min**
- Temp **78 C**, Time **15 min**

Mash step by step

- Heat up **31.5 liter(s)** of strike water to **72.6C**
- Add grains
- Keep mash **60 min** at **66C**
- Keep mash **15 min** at **78C**
- Sparge using **28.1 liter(s)** of **76C** water or to achieve **50.6 liter(s)** of wort

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Strzegom Pale Ale	8 kg (88.9%)	79 %	6
Grain	Słód Karmelowy Jasny	0.5 kg (5.6%)	75 %	30
Grain	Pszeniczny	0.5 kg (5.6%)	85 %	4

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Iunga	35 g	60 min	11 %
Aroma (end of boil)	Citra	50 g	2 min	12 %
Aroma (end of boil)	Amarillo	50 g	2 min	9.5 %
Dry Hop	Citra	50 g	4 day(s)	12 %
Dry Hop	Amarillo	50 g	4 day(s)	9.5 %

Yeasts

Name	Type	Form	Amount	Laboratory
Mangrove Jack's M44 US West Coast	Ale	Dry	20 g	Mangrove Jack's