

Kacdrunk

- Gravity **15.2 BLG**
- ABV **6.3 %**
- IBU **16**
- SRM **7.1**
- 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 **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size --- **liter(s)**
- Total mash volume --- **liter(s)**

Steps

- Temp **66 C**, Time **60 min**
- Temp **78 C**, Time **10 min**

Mash step by step

- Heat up **liter(s)** of strike water to **C**
- Add grains
- Keep mash **60 min** at **66C**
- Keep mash **10 min** at **78C**
- Sparge using **liter(s)** of **C** water or to achieve **25.3 liter(s)** of wort

Fermentables

Type	Name	Amount	Yield	EBC
Dry Extract	Strzegom Pale Ale	4 kg (85.1%)	79 %	6
Dry Extract	Caramunich® typ I	0.5 kg (10.6%)	73 %	80
Dry Extract	Weyermann - Carapils	0.2 kg (4.3%)	78 %	4

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Green Bullet	20 g	20 min	11 %
Boil	Willamette	10 g	20 min	5 %

Yeasts

Name	Type	Form	Amount	Laboratory
Safale S-04	Ale	Dry	11.5 g	Safale