

Americanos

- Gravity **13.8 BLG**
- ABV **5.7 %**
- IBU **32**
- SRM **4.1**
- Style **American Wheat or Rye Beer**

Batch size

- Expected quantity of finished beer **20 liter(s)**
- Trub loss **10 %**
- Size with trub loss **22 liter(s)**
- Boil time **60 min**
- Evaporation rate **15 %/h**
- Boil size **27.6 liter(s)**

Mash information

- Mash efficiency **80 %**
- Liquor-to-grist ratio **4 liter(s) / kg**
- Mash size **20.8 liter(s)**
- Total mash volume **26 liter(s)**

Steps

- Temp **65 C**, Time **70 min**
- Temp **72 C**, Time **10 min**
- Temp **78 C**, Time **2 min**

Mash step by step

- Heat up **20.8 liter(s)** of strike water to **70.6C**
- Add grains
- Keep mash **70 min** at **65C**
- Keep mash **10 min** at **72C**
- Keep mash **2 min** at **78C**
- Sparge using **12 liter(s)** of **76C** water or to achieve **27.6 liter(s)** of wort

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Strzegom Pilzneński	2.2 kg (42.3%)	80 %	4
Grain	Pszeniczny	2.2 kg (42.3%)	85 %	4
Grain	Płatki owsiane	0.5 kg (9.6%)	85 %	3
Grain	Strzegom Monachijski typ II	0.3 kg (5.8%)	79 %	22

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Citra	15 g	60 min	12 %
Boil	Citra	15 g	30 min	12 %

Yeasts

Name	Type	Form	Amount	Laboratory
US-05	Lager	Dry	11.5 g	Fermentis