

Konfederackie

- Gravity **12.4 BLG**
- ABV **5 %**
- IBU **32**
- SRM **12.9**
- Style **American Pale Ale**

Batch size

- Expected quantity of finished beer **12 liter(s)**
- Trub loss **5 %**
- Size with trub loss **12.6 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **15.2 liter(s)**

Fermentables

Type	Name	Amount	Yield	EBC
Liquid Extract	WES ekstrakt słodowy jasny	1.7 kg (77.3%)	80 %	45
Liquid Extract	WES ekstrakt słodowy jasny	0.5 kg (22.7%)	80 %	45

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Mackinac	10 g	20 min	12 %
Boil	Sabro	10 g	15 min	15 %
Aroma (end of boil)	Idaho 7	10 g	5 min	12.7 %

Yeasts

Name	Type	Form	Amount	Laboratory
Safale S-04	Ale	Dry	8 g	Fermentis

Extras

Type	Name	Amount	Use for	Time
Spice	Skórki suszonej gorzkiej pomarańczy	20 g	Boil	10 min
Fining	Mech Irlandzki	6 g	Boil	5 min