

# Amerykański Czarnuchu 2023

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- Gravity **11 BLG**
- ABV **4.4 %**
- IBU **34**
- SRM **3.7**
- Style **American Stout**

## Batch size

- Expected quantity of finished beer **8 liter(s)**
- Trub loss **5 %**
- Size with trub loss **8.8 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **10.6 liter(s)**

## Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **5.4 liter(s)**
- Total mash volume **7.2 liter(s)**

## Fermentables

Type	Name	Amount	Yield	EBC
Grain	Viking Pale Ale malt	1.8 kg (100%)	80 %	5

## Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Strata	5 g	60 min	13.6 %
Whirlpool	Strata	10 g	30 min	13.6 %
Dry Hop	Strata	35 g	3 day(s)	13.6 %

## Yeasts

Name	Type	Form	Amount	Laboratory
us-05	Ale	Dry	11 g	---

## Extras

Type	Name	Amount	Use for	Time
Fining	Mech irlandzki	5 g	Boil	10 min
Other	wit c	2 g	Bottling	---

## Notes

- Wysłodziny po RIS.  
4l.  
Chmiel na zimno dodany 02.04 - 10g sabre?  
*Apr 17, 2023, 10:39 PM*