

# Noc i śmierć

- Gravity **31.2 BLG**
- ABV **15.7 %**
- IBU **12**
- SRM **57.5**
- Style **Russian Imperial Stout**

## Batch size

- Expected quantity of finished beer **15 liter(s)**
- Trub loss **5 %**
- Size with trub loss **15.8 liter(s)**
- Boil time **120 min**
- Evaporation rate **10 %/h**
- Boil size **20.8 liter(s)**

## Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **2 liter(s) / kg**
- Mash size **16.8 liter(s)**
- Total mash volume **25.2 liter(s)**

## Fermentables

| Type  | Name                         | Amount         | Yield  | EBC  |
|-------|------------------------------|----------------|--------|------|
| Grain | Monachijski Ciemny Steinbach | 1 kg (10.6%)   | 100 %  | 30   |
| Grain | Viking Pale Ale malt         | 4.5 kg (47.9%) | 80 %   | 5    |
| Grain | Caraaroma                    | 0.4 kg (4.3%)  | 78 %   | 400  |
| Grain | Black Barley (Roast Barley)  | 0.5 kg (5.3%)  | 55 %   | 985  |
| Grain | Carafa III                   | 0.4 kg (4.3%)  | 70 %   | 1034 |
| Grain | Rye, Flaked                  | 0.8 kg (8.5%)  | 78.3 % | 4    |
| Grain | Oats, Flaked                 | 0.8 kg (8.5%)  | 80 %   | 2    |
| Sugar | Milk Sugar (Lactose)         | 1 kg (10.6%)   | 76.1 % | 0    |

## Hops

| Use for | Name               | Amount | Time   | Alpha acid |
|---------|--------------------|--------|--------|------------|
| Boil    | Challenger         | 20 g   | 60 min | 7 %        |
| Boil    | East Kent Goldings | 20 g   | 10 min | 5.1 %      |

## Yeasts

| Name                      | Type | Form   | Amount | Laboratory       |
|---------------------------|------|--------|--------|------------------|
| FM13 Irlandzkie Ciemności | Ale  | Liquid | 120 ml | Fermentum Mobile |

## Extras

| Type   | Name                                   | Amount | Use for   | Time     |
|--------|--|--------|-----------|----------|
| Flavor | Kostki dębowe macerowane w bourbonie   | 20 g   | Secondary | 7 day(s) |
| Flavor | Ziarna kakaowca macerowane w bourbonie | 20 g   | Secondary | 7 day(s) |

|        |   |       |           |          |
|--------|---|-------|-----------|----------|
| Flavor | Czekolada gorzka<br>macerowana w<br>bourbonie | 150 g | Secondary | 7 day(s) |
|--------|---|-------|-----------|----------|