

# RIS IV Beka

- Gravity **22 BLG**
- ABV **9.9 %**
- IBU **45**
- SRM **48.3**
- Style **Russian Imperial Stout**

## Batch size

- Expected quantity of finished beer **23 liter(s)**
- Trub loss **5 %**
- Size with trub loss **24.1 liter(s)**
- Boil time **90 min**
- Evaporation rate **10 %/h**
- Boil size **30.4 liter(s)**

## Mash information

- Mash efficiency **80 %**
- Liquor-to-grist ratio **2.4 liter(s) / kg**
- Mash size **24 liter(s)**
- Total mash volume **34 liter(s)**

## Steps

- Temp **55 C**, Time **5 min**
- Temp **63 C**, Time **60 min**
- Temp **72 C**, Time **30 min**
- Temp **76 C**, Time **5 min**

## Mash step by step

- Heat up **24 liter(s)** of strike water to **62.3C**
- Add grains
- Keep mash **5 min** at **55C**
- Keep mash **60 min** at **63C**
- Keep mash **30 min** at **72C**
- Keep mash **5 min** at **76C**
- Sparge using **16.4 liter(s)** of **76C** water or to achieve **30.4 liter(s)** of wort

## Fermentables

| Type  | Name              | Amount      | Yield | EBC  |
|-------|-------------------|-------------|-------|------|
| Grain | Pale Ale Best     | 6 kg (60%)  | 80 %  | 6    |
| Grain | Pilsner Malz Best | 2 kg (20%)  | 81 %  | 3    |
| Grain | Carafa II Best    | 0.5 kg (5%) | 65 %  | 1100 |
| Grain | Chocolate         | 0.5 kg (5%) | 55 %  | 1000 |
| Grain | Special X         | 0.5 kg (5%) | 78 %  | 350  |
| Grain | Caramunich 2 Best | 0.5 kg (5%) | 73 %  | 120  |

## Hops

| Use for             | Name               | Amount | Time   | Alpha acid |
|---------------------|--------------------|--------|--------|------------|
| Boil                | Admiral            | 43 g   | 30 min | 11.7 %     |
| Boil                | East Kent Goldings | 23 g   | 60 min | 5.7 %      |
| Boil                | East Kent Goldings | 40 g   | 15 min | 5.7 %      |
| Aroma (end of boil) | East Kent Goldings | 40 g   | 5 min  | 5.7 %      |

## Yeasts

| Name | Type | Form | Amount | Laboratory |
|------|------|------|--------|------------|
|------|------|------|--------|------------|

|                               |     |       |        |             |
|-------------------------------|-----|-------|--------|-------------|
| Wyeast - 1728<br>Scottish Ale | Ale | Slant | 300 ml | Wyeast Labs |
|-------------------------------|-----|-------|--------|-------------|

## Notes

- do polowy beczka czysta  
24.10.24 następna goryczka na max 45  
inne słody karmelowe  
*Mar 20, 2022, 10:54 PM*